

Sequence Listing

<110> Baker, Kevin P.
Goddard, Audrey
Wood, William I.

<120> NOVEL POLYNUCLEOTIDES AND METHOD OF USE THEREOF

<130> P2751R1C1

<150> PCT/US00/20006

<151> 2000-07-21

<150> US 60/145,701

<151> 1999-07-26

<160> 564

<210> 1

<211> 478

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 212, 285, 424

<223> unknown base

<400> 1

agtttggttaa aaataataat gccataata tatgttatatt tacgtatggt 50

tatacagatg cacgcttatt tatacttatg tgtaagtga ataatggca 100

aaatgatac aaggcatagg aagaagaaat taggattata tgctatgtaa 150

gaagcagtat agtggtttttt gaaaatagac ttgaattagt tggaaatcca 200

tattgaaaac tntcgggcaa acatttttaa aaaataaaaa aatgatatgc 250

taagaaagaa gagaaaacgg aattacacaa aatgntcaat taaaaccaca 300

aaaggaagca aaagtgtgga aaacaaaaag gggaacaaag aataaggcaa 350

caaacagaaa acagtaacaa atatggtaag cattaatcca actatattaa 400

taatcacttt aatatcaat ggtntaaata tgtcaattat aagacagaga 450

ttaccagagt ggacacatta tataagct 478

<210> 2

<211> 682

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 45, 51, 62

<223> unknown base

<400> 2

acgttcgcgg ttcgaggta gggccccgga agcccgagc aattncacgt 50

nttccccgcc gnttcgggcc cccagtgcc gcccttcgcg ggccggaggg 100

gcgagtctgg gctttggcgc cttcgcagcc gcaggcgaca tcctctttcc 150
tagctaaagc cccaaacgcc caggtggctt cctgggagag cacggctgag 200
cctccgcctt cagatcagaa caggcagagc ctccaagggc ggcttgggccc 250
cagtgcctgc ttatcctgcc cgtctctcca cacttcttct ttccctgtcc 300
gttggagtcc attccttcct ggaaaagcca aagccgcgct cccctaagag 350
tcatgtgtta ctggattaat tgaaattctt gataggtaac agagttttat 400
catcagctta tgattgccta tgactagctc aaagttaagt tttaataaac 450
tagtaagtac aataaacctc attcctaaat acaaggaaaa gaactatata 500
atgaatactt gtctctatgc ccctctcgca tagataacaa taatttaggt 550
ttacctttaa atgaactgca tttaaatgaa attaatttaa atgattgttt 600
cacggcacag tttcatcaat ggtctacggc atcccttatt tatgtataca 650
tcagtttgta tacatctgta tctatgtatt tg 682

<210> 3

<211> 835

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 1, 6, 12, 27, 29-31, 49, 53, 56, 58, 61-62, 66, 68, 71, 74,
78-81, 85-86, 88, 91, 95, 98, 102, 105, 109, 111, 115, 126-127,
131, 139, 142, 146-147, 157, 163, 166, 169, 175, 177, 184,
196-197, 199, 210, 215, 217, 219, 222, 228, 234, 236, 238,
240-241, 244-245, 257, 260, 263, 271, 279, 287, 291-331, 335,
337, 345, 384, 392, 418, 438, 459, 465, 478, 499, 501, 507, 533,
562, 579, 587, 598, 616, 630, 656, 661, 667, 671, 684, 702, 746,
811, 824-835

<223> unknown base

<400> 3

nagaanggaa gngaaggagg aagaggngnn naagagggag gggaaaagng 50
ganggngnag nngagnangg nggnggannn naggngnag naggncnag 100
anggnaagng nttgnaagaa aggganngcc nggtaaaana gnaccnnccc 150
aagaagngat tanggnggnt tcctngntga aggntgtgga tcccanntnt 200
ttcccgggan ttatngntng gnaacaanat ttcnangngn nacnnaggca 250
aacaatnaan ttnccaaggt nttggtagna tttcccnccg nnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngatntnggg gttntcccc 350
tttccccttc ccctttcccc accccggggg ttcngggttg tnaagaaaaa 400
aaaaaaaaaa aagaattntg gcgcggcctc ggcggagntg gtgatcggct 450
ggtgcatant cggcntctta ctactggnta ttttggcatt ctgctggana 500
natgttngta aataccaaag tcggcgggaa agngaagttg tttccaccat 550

aacagcaatt tnttttttag caattgcant tatcacntca gcacttgnac 600
 cagaggaaat attttnggtt tcttacatgn aaaatcaaaa tgggtacattt 650
 aaggantggg ntaatgntaa ngtcagcaga cagnttgagg aactgtatt 700
 anacggttac tatactttat attctgttat attgttctgt gtgttnttct 750
 ggatcccttt tgtctactta tattatgaag aaaaggatga tgatgatact 800
 agtagatgta ntcaaattaa aacnnnnnnn nnnnn 835

<210> 4
 <211> 491
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 181, 213, 251, 335, 345-346, 350, 357, 374, 381, 387, 398, 401,
 403, 427, 442, 447, 451, 463, 481, 484, 486, 489
 <223> unknown base

<400> 4
 agtttggttaa aaataataat gccataata tatgttattt aacgtatgtt 50
 tataacagat gcacgcttat ttatacttat gtgtaagtga aataaatggc 100
 aaaaatgata caaggcatag gaagaagaaa ttaggattat atgctatgta 150
 agaagcagta tagtgttttt tgaaaataga nttgaattag ttggaaatcc 200
 atattgaaaa cntcgggca aacattttta aaaaataaaa aaatgatatg 250
 ntaagaaaga agagaaaacg gaattacaca aaatgctcaa ttaaaaccac 300
 aaaaggaagc aaaagtgtgg aaaacaaaaa ggggnacaaa gaatnnggcn 350
 acaaacngca aacagtaaca attntggtaa ncattantcc aattatantt 400
 ncnattactc taaatatcaa tgttttnaat atgtctattg tnagacngag 450
 nttaccagag agnacacatt atataaggtc ngangngtng g 491

<210> 5
 <211> 637
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 4, 12-13, 31, 37, 40, 43-44, 46, 50, 55, 64, 68, 78, 97, 114,
 124-125, 137, 148, 183, 185, 227, 233, 236, 238, 264, 266, 268,
 276, 322, 325, 334, 340, 345, 417, 426, 428, 472, 474-475,
 482-484, 500, 502-503, 509-510, 521, 540, 543, 558, 588-589, 594,
 598, 606, 616, 631, 633
 <223> unknown base

<400> 5
 ttctttgtca anngtttttg gttccccctt ntttcnggn ttnntntttn 50
 ggaanaaaaa tttnaagnta taccaagnaa aaaattaaat tccaagnatt 100
 ggattgaatt ccnggggat ctttnagaga tcccttngac tttgaccnaa 150

ggggccggct ttaggggaag aagttggtgt ttngntgggc cctggtactg 200
 aagacgcgtt ccgggtagcc caaaganatt tcntantnac ccaaagcccc 250
 gcacccgcct tttntntntt ttcttntggc aggatgagge gtgcaggcct 300
 ggggtgaagga gtacttcctg gnaantatgg gaantatggn tatgntaata 350
 gtgggtatag tgctgtgaa gaagaaaatg agaggctcac tgaaagtttg 400
 agaagcaaag taactgntat aaaatntntt tcccattgaa ataggccatg 450
 aagttaaaac ccagaataaa tnannagcgg annnggatta aaaagacgan 500
 tnnacaacnn tgattttgta ngtataacta tgggcataa tgnagatttt 550
 ttccagangg agctaaacaa agatgttggt agatatgnng aggntatnat 600
 taattntcaa gtttgntcac ataggcgagc ntnaaac 637

<210> 6

<211> 969

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 12-13, 25, 46, 49, 53, 64, 94, 118, 134, 140, 153, 155, 164, 172,
 175, 177, 182, 184, 191, 210, 218, 221, 223-224, 240, 242, 250,
 259, 266-267, 272, 276, 298, 305-306, 319, 339-340, 344, 346,
 348, 353, 384, 397, 408, 432, 455, 457, 470, 474, 480, 502, 504,
 519, 525, 559, 579, 597, 625, 629, 631, 634, 645, 649, 655, 657,
 666, 670, 675, 681, 697, 768, 773, 776, 786, 788, 791, 794, 816,
 819, 830, 859, 877, 879, 886, 895, 904, 910, 913, 918, 925,
 927-946, 952, 956, 958, 962, 966, 968-969

<223> unknown base

<400> 6

cccctttttc cnnggttttt ttttnggaaa aaaatttcag ggggtancng 50
 ggnaaaattt aaantccagg gtttgggggg atttccccgg ggtntttttg 100
 gagttccttt ggacctgnaa caaagggttg gaantaaan aaaaattaaa 150
 aancnggggt tttnggggaa anttnanaat gngnttgggg ncaagaaaaa 200
 tgggtttttt gggagggnaa ngnggttca tttccaaatn gnaggggggn 250
 aaaaatttna ggcttnnggg gnaggnggaa aaaaatttcg tagcctcnag 300
 gttgnnattt ttaaacctnc agaagggtgg cagccccggn tcancngntg 350
 atnaaggcag atgggaaaag ggggatattg ggtmataagg gtacctntca 400
 cccttttnga aggaaaaaaa gtgggtccaca gnatttttgt ttaccaagg 450
 gtaananatg gaattttgtn gaanatagg gnaggtgag gcatttggaa 500
 anangggggg ggggtttttt tgaanggggg agtaggggta tggattttta 550
 tgggaaaana gttttttggc actaaacctt tttgaattac ctaatanatt 600
 tatgtggaaa cctgtccttt ttttncagnt naanaaaaat ttttncctt 650

gaaantnatt tttagnaagn atatnaaaag nattttttttt ttcaagngtc 700
 agaaaccttt tagcatcatt gaagttaaaa tgactgtcca taaacttttc 750
 agaaatagta ggcatttnag gcnacnagat ttgtanangg natnttcata 800
 gaattatacc agtganttna ccacctgaan cctcttggat cccgtaagca 850
 ttctttgcna caaggaaggg aggtatncng ggtaantcct tgaanttttg 900
 gacnggaacn atnacttnga atttnannnn nnnnnnnnnn nnnnnngccg 950
 cngggncntt tntcngnn 969

<210> 7

<211> 952

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 1, 3, 7, 23, 30, 38, 49, 53, 64, 68, 84, 90-92, 109, 130, 147,
 152, 182, 198, 211, 221-222, 228, 239, 243, 255, 271, 300, 303,
 308-309, 314, 322, 331, 337, 340, 345, 359, 377, 381, 385, 412,
 422, 452, 463, 469, 475, 541, 547, 586, 777, 780-781, 784-787,
 789, 798, 802-803, 825, 831, 838, 840, 853, 855, 863, 865, 872,
 885, 889-890, 907, 921-952

<223> unknown base

<400> 7

ngntttngtt cccttttttc ccnggttttn tttttggnaa aaaaatttna 50
 ggnttaaccc aggnaaanat taaattccaa gggntttggn nngaattccc 100
 cgggggttnc ttttaggggt tcctttgacn ttgaaccaa ggtttcnggc 150
 cnggaggggg gggggaccgg ttttttccc cngcgtttcc cccggggntg 200
 ggggttgggg ngcccatttg nngaagtnag tggggaggng gantgggaac 250
 ccgnagttt tggagaaagg naggttcctt ccttaaccct gggggttccn 300
 ggngcccng gagnggcagt tnggggaata ntgttnagn ggttnggggg 350
 gttttcctng ggtcccgcc agggggnggt ncttnataaa aggtgcctt 400
 tttcccaca gnttccaggt cngagaggag ccgcaccgtc gggttggaga 450
 tngcgcgcaa ggnggcttnt ggttnggatt tgccccgcac cggccacagg 500
 aaaagcctgg tccctaggca cggttgtggg tcgagctttt ngttttntcg 550
 aacattgagg tattcgtca gccaccacg ttgtentcgg ggttattagg 600
 cccagtcac aagccctatg atgttttcag acttcccagg tggagataag 650
 gaaaatttta ctatttctgc agaacttctg ttgatgtaca gcattgtatt 700
 tagcaacttc tgtgtagatc tgaaaataaa tacattacca attgttagtt 750
 gcgtttttat taatataatt ttagagnagn ngannngnt gttagacnta 800
 cnnaggtaaa ttatgtggca ctttngcatt nttgttgnn catgttcccc 850

tgnantttgc ttngngatth cnattttattc caaantcann atagaatgta 900
atttccnaac ccacagtccg nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 950
nn 952

<210> 8
<211> 752
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 4-6, 8, 11, 34, 37, 40, 87, 123, 125, 133-134, 138, 143, 147,
166, 171, 174, 199, 242, 263, 302, 305, 333, 363, 380, 423, 425,
463, 527, 534, 539, 547-548, 553, 556, 561, 583, 604, 607, 615,
618, 621, 624, 628, 638, 641-643, 646, 648, 654-655, 658, 660,
666, 674, 676, 679, 688-689, 704, 710-725, 727, 730, 735, 739,
741, 745, 747, 749, 751-752
<223> unknown base

<400> 8
ggannngntt ncaaaatggg atttttaacc aaantanggn agagaaaagt 50
ttaagtgttt tgccaaaaaa attccaagga aaataangcg gagtttgatt 100
tttcagagtt caacaggaaa aangngaaca aanngccngg agnttttnaaa 150
gttttgggaa agccantttt natntgttca aggaacagtt tttatttgng 200
atgccaatca gaattttgga cccagtataa tcaagggtcag antttcaacc 250
taagcctgga ccngacccat aataacggaa agtttaacaa tgactcacat 300
tntcntaaag tttccagcca gaataggaca cgntcatttg gtcattttcc 350
cgggtccagag ttnttggatg tagagaaaan tagcttttcc caggaacaat 400
tttgtgattc cgcaggagaa ggntntgaaa gaatacatca agattttgaa 450
tttggtgatg aanttagcag cagctccact gaacagataa gggcaaccac 500
acctccaaat caaggaaggc cagattntcc tgtntatgnt aaccttnnag 550
aantgnaaat ntcccagtat ggtcttcccc canttcttgg gagcctggta 600
attnagntta ttggngcntg nganactnat atagacanct nnnngngntg 650
ttannatnan cacagnngga catngnatng aagttgggna cctcttgctt 700
ggantcgggn nnnnnnnnnn nnnnnntcn ccgcngggnc nttntngng 750
nn 752

<210> 9
<211> 478
<212> DNA
<213> Homo Sapien

<400> 9
agtttggtta aaataataat gccataata tatgttattt tacgtatgtt 50
tatacagatg cacgcttatt tatacttatg tgtaagtga ataatggca 100

aaaatgatac aagggcatagg aagaagaaat taggattata tgctatgtaa 150
 gaagcagtat agtggtttttt gaaaatagac ttgaattagt tggaaatcca 200
 tattgaaaac tctcggggcaa acattttttaa aaaataaaaa aatgatatgc 250
 taagaaagaa gagaaaacgg aattacacaa aatgctcaat taaaaccaca 300
 aaaggaagca aaagtgtgga aaacaaaaag gggaacaaag aataaggcaa 350
 caaacagaaa acagtaacaa atatggtaag cattaatcca actatattaa 400
 taatcacttt aaatatcaat ggtctaaata tgtcaattat aagacagaga 450
 ttaccagagt ggacacatta tataagct 478

<210> 10
 <211> 279
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 90
 <223> unknown base

<400> 10
 tttttttttt tttttttttg agacggagtc ttgctctggt acccaggcgg 50
 agtgcagtgg ccatgatctc ggctcactgc actccagccn ggatgacaga 100
 atgagactct gtctccaaaa ataaaataaa ataaaataaa agtgatatga 150
 acataaaagt accttaggtc caaacaatga taacaactaa tatttattgg 200
 gcgcttactg tggatatgcat tgtgttaagc atttcacatg tatttactca 250
 tttaatcctc acaaccatcc taaaaggctc 279

<210> 11
 <211> 171
 <212> DNA
 <213> Homo Sapien

<400> 11
 gttccacgtt gcttgaaatt gaaaatcaag ataaaaatgt tcacaattaa 50
 gctccttctt tttattgttc ctctagttat ttcctccaga attgatcaag 100
 acaattcatc atttgattct ctatctccag agccaaaatc aagatttgct 150
 atgtagacg atgtaaaaat t 171

<210> 12
 <211> 615
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 53, 62, 104, 109-110, 134, 147, 159, 170-171, 209, 275, 304
 <223> unknown base

tcaatcaggg tctcaccag ggacngatct ccaacaccaa aaaaacttgg 700
 tttttccatn cccattccaa actgggctct cncctaatg cccttagggc 750
 attgggggca agctgggtccc cttggcaggt tttttcattc gaggttctca 800
 cccccggggg accgggggatc ttccaacacc nnnnggggaac cttgtgtttt 850
 ccactcccca gtcccagacg tgggctgctt ctccagagat gcccgaggt 900
 tttaaaagtt aaattgatga taactttttt ggctcaagta tagaagtaat 950
 acattatcca ttgtagatta tttataggta aataaaattt tttaaataac 1000
 ttttaacccc actaccaga actaaccacc actggnggta gtaaataaat 1050
 atattgattt acttacaaat ataggaccac aagatatggc acatgttttg 1100
 caaccaacct gttttgatag gccagcttg cttctgctgc gctactttat 1150
 ttgcaacca aaccgcttt taaaagaaaa atcatggtct tgtattttac 1200
 aagtgat 1207

<210> 14
 <211> 789
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 552, 576
 <223> unknown base

<400> 14
 atcgattata aaagcagaaa tttcacctgg ctgcccaccc caatttcagt 50
 tttcctctaa gagttagcca ctattatccc ttcagagtgg atattcaggg 100
 ttttctttcc tggcatggac atacatatgt aaatgtacat atataaaaat 150
 aattagtgac accatgcatg gtagctcacg cctgtaatcc cagcactttg 200
 ggacgctgag gtgagagaat tgcttgaggc catcagtttg aagctgcagt 250
 gatctatgat tgtgcctcta cactccagcc tgggtgacag ggtgagaccc 300
 tgtctcttaa aaaaaaattc gtatttgggg ttagtagtag tacctacctc 350
 ataggttatt atgggatcag tacagtaggc cagacaaagt gcgtatgcta 400
 ttattttgca tgtagtaagt accagcatat actacctgtt atccagaaat 450
 ttgctgaaat gtcccttgta ttttctctct ttcgattttg atcagtcttc 500
 ctagaagtca tcagtttgag ttttttcaaa gaaccagtgg ttggtttaat 550
 gnatttggtt tgttttcttt tccaangatt tctgctttac tccttaataa 600
 ttcccttttc tgctggcttt gggttccatt tgttcttctg tctcttctag 650
 tttcttaagg taaaggctta gatcattgac ttcagatttt ttgtcttttc 700
 taacaagtg tcaaaactat aatataaatt tccctctaag cattgttttag 750

ccacatttca caaatttgga aatgtttatt cattttcac 789

<210> 15
<211> 294
<212> DNA
<213> Homo Sapien

<400> 15
ttttattaat tttatttttt ttttaataca gattttccag tgaggggctt 50
tttcaacccc attggttcta ttttcttgta tttttccatt taatttgctt 100
cataacttaa accaagtctc ttctagtctt aggtattatt tctcgatttt 150
gtgctgatgg gcatgtttat aagaactgga gaggtgattt attggaatga 200
actaactgac ttcctccatt cccctcttcc tttttgacat gaattttact 250
acttcacaaa tgaagaatga tgttatgaag ttaccgtggc aaag 294

<210> 16
<211> 514
<212> DNA
<213> Homo Sapien

<400> 16
cccacgcgcc gctaacccea tggttctttt tagaatttca gggtgtggca 50
tccactgagt atgcagctac tatgggtttt gtatgggacg tataaatact 100
tgattatata cgacagattt taatgtcttt aaagacttcc tgctgtatta 150
acatattgta atggagtctt tttaaatacta gggtgaattt aattgaagtc 200
acacacatct tgaagtggta actgcatagt aaatactacc aagagttttt 250
ttcacgtggg agtatcctaa aactctgcc a tgggtgtaaa tgttttacat 300
taatttcata attggacaga ccctgcattt agcgaaaaca ttttgttttg 350
aaagtgtggt ctttttgtcg cactgttact gcgtaacact tctcaacatt 400
ctgtaagtta aattatttta aaataactat ggtgaattca tgtttatttt 450
tttttacttt gaaaattgta gtactcaggt ggtatttaat gggaaaggat 500
cctttgggta taaa 514

<210> 17
<211> 501
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 28, 57, 60, 97
<223> unknown base

<400> 17
aatgtccttt tttaggaatt ccaggttntg gcatccacgg ggggtgccgc 50
ctactanggn ttttgtaagg ggaccgtata aataactgga ttatatncga 100

cagattttta atgtcttta agacttcctg ctgtattaac atattgtaat 150
 ggatctttta aatactaggt tgaatttaaat tgaagtcaca cacatcttga 200
 agtggtaact gcatagtaaa tactaccaag agtttttttc acgtgggagt 250
 atcctaaaac tctgccatgg gtgtaaatgt tttacattaa tttcataatt 300
 ggacagaccc tgcatttagc gaaaacattt tgttttgaaa gtgtgttctt 350
 tttgtcgcac tgttactgcg taacacttct caacattctg taagttaaatt 400
 tatttttaaaa taactatggt gaattcatgt ttattttttt ttactttgaa 450
 aattgtagta ctcagggtgt atttaatggg aaaggatcct ttgggtataa 500
 a 501

<210> 18
 <211> 197
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 27, 42, 57
 <223> unknown base

<400> 18
 cttcataact taaaccaagt ctcttcnagt cttaggtatt anttctcgat 50
 tttgtgntga tgggcatggt tataagaact ggagaggtaa tttattggaa 100
 tgaactaact gacttcctcc attccctctt tcctttttga catgaatttt 150
 actacttcac aatgaagaa tgatgttatg aagttaccgt ggcaaag 197

<210> 19
 <211> 526
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 60, 74, 97, 111, 165, 208, 221, 225, 227, 356, 371, 398
 <223> unknown base

<400> 19
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 ggggtttccn ggaactattt gggncctatg gaaatagccc ttaaagnct 100
 tacattcatg ngctacttta acatgaatgg agaaaatccg tttatggaag 150
 tacagtgaca attgncccaa tcaactctgt catcaaacca ctcaggctag 200
 tttgtacnag tagagttttg nttcnanttt tattttttatt aattttattt 250
 tttttttaat acagattttc agtgaggggc tttttcaacc ccattgggtc 300
 tattttcttg tattttttcca ttttaatttg ttcataactt aaaccaagtc 350
 tcttcnagtc ttaggtatta nttctcgatt ttgtgctgat gggcatgntt 400

ataagaactg gagaggtaat ttattggaat gaactaactg acttcctcca 450
ttccccctctt ccttttttgac atgaatttta ctacttcaca aatgaagaat 500
gatggttatga agttaccgtg gcaaag 526

<210> 20
<211> 379
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 40, 103, 125, 127, 204, 219, 378-379
<223> unknown base

<400> 20
cagctccgga agactatgca cccaagcacc aaacttccan ccagagagag 50
agacgtcctc cgataacaaa aatccttgct tcctctgtct gtgactttac 100
acncagttgt tcaaagttgt taaangncaa gagtcaatca catccctagg 150
actacctccc aactctcctg actcttatgt tattgaaaaa acaaacaaac 200
aaanactcct ttatgatgnt attcaacttg agtgggggtt ttttttccac 250
tttggtcctg gatataatga aatgatacat attaggataa attttcactg 300
tgtatagtag caatacgaac acacatgcca atgtatcaac atatctactt 350
ggttacattt tggtttatga taatcgann 379

<210> 21
<211> 408
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 102, 153, 167, 230, 251
<223> unknown base

<400> 21
tggaataact ggaaatttat tggatccagg ttccacattg gcagtttgga 50
aactactacc aaaaagattt caccaattta caactccatc attagtaaga 100
angcctgttt gcctatagtc tgccaacctg aacccttaaa aatttttgcc 150
aanctggtag gcaaaantct ttcttttctt tgaatattaa tgaggaggaa 200
catcttttca tgtttcttgg ccatttgcan ttcctattat gaattgcttc 250
nggccattt tccttttttt aattatgaaa gtctaatac taccttctca 300
ttgtataaaa aacacagttc tttgaataga gagaccctt tctccaatgc 350
taccaatcac attccactta ccacagttta acatacatcc tctagtcacc 400
tttcccga 408

<210> 22
<211> 453

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 87, 175, 263, 297-298
<223> unknown base

<400> 22
tagggtccta ttgggtgcct aagcatactt nttaacttgt gccattggcc 50
tttacttttta tggagttttc aggaaactat tttatancat ctagttatatt 100
agtctacgta tctctattta gtggagcctt ttcccctcaa ataatatatt 150
ttatcatttt ttgacttata taaancataa ttaaataaat tttttcttaa 200
tactgttgga ctttgtatat acaagttcag ataacttttt cgaagatagt 250
ttcttatata aangtaattt aatttttttt actcttctat acagtttnntt 300
agatgtaaag gaattagcac aatctctggc agttttataa aagctgttga 350
agctcttgtc ctgcactgtc tttaggtatc ataggtatca ggtttgcttt 400
gtgttaatgc cacttcaagt cattatttgg tttctgctat ttttttacct 450
gag 453

<210> 23
<211> 356
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 42, 45, 201-202
<223> unknown base

<400> 23
atacatatat atgtgtgtgt gtgtgtgtgt gtgtatgtat anatntaatc 50
atttacactc ttttgggggt caagaatttg aatgaagaaa aacaaatcca 100
attaattttg gcttccagtt acttctgata aaatcagtga aggttcttgg 150
attttgaaat ctgagttgtg cattgctttt tttagatcct gccagggttac 200
nnttttttaa ataacatgta caaattcatc tttttcagta tagactattg 250
taagtttttg gaaattgtta tagtcataga accatgatca ctaacaagat 300
atattccccc actccaaagt cctatgtgtt cctttttag ttaacctgtc 350
acccac 356

<210> 24
<211> 498
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 49, 102, 141, 147, 171, 324-325, 339-341

<223> unknown base

<400> 24

acccttgacc caacgcggcc ccccgaccgn ttcattggcca aacgcgggnc 50
tccagctggt gggcttcatt ctccccttcc tgggatggac cggcgcccat 100
cntcagcact gccctgcccc agtggaggat ttactcctat nccggcnaca 150
acatcgtgac cgcccaggcc ntgtacgagg ggctgtggat gtcctgcgtg 200
tcgcagagca ccgggcagat ccagtgcaaa gtctttgact cccttgctga 250
atctgagcag cacattgcaa gcaaccctgt ccttgatggg gggtggcatc 300
ctcctgggag tgatagcaat cttnttggcc accgttgtnn ntgaagtgtg 350
tgaagtgttt ggaagacgat gaggtgcaga agatgaggat ggctgtcatt 400
gggggcgcca tatttcttct tgcaggtctg gctatttttag ttgccacagc 450
atggtatggc aatagaatcg ttcaagaatt ctatgaccct atgaccga 498

<210> 25

<211> 466

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 304

<223> unknown base

<400> 25

ttttcttttt tctctttttt aaattacctt tgttttgccg taaggagttg 50
gggaatttgt ggtggcaggg aagtaatgta agttgcttta taactcactg 100
tctaacaaag ttttgaaaat ttgtctgata tgtaattagg tacttttaggg 150
ttattaggtt ttcataaaaa ttctgggttag ggctcttgcc ctgctcccaa 200
tgaaagcctt tccacagggc aaatataaaa gagagagtag agggaatccc 250
cctgaggttt aaataagtca aaccagtaag taatagtgtt aagtttgtca 300
gtgncctctc tttcttactg tacttaacat cttaaaggga cctcatttat 350
tttcagctaa ttatgttctt tatgagtgcac tgtcaaatca gggaagggtg 400
tgacgatcat gtggagatac cttttctaat taatagctgc cttgctcctc 450
aagattctga cgaacc 466

<210> 26

<211> 409

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 30, 36, 68, 77, 119, 235, 248, 250-252

<223> unknown base

<400> 26
 cttcttgaca ctgccctttc ctttccccn tcccancctg cccgacccat 50
 gcccgcgggc gtgcccangt cccaccntac ttgaaaaatg ttcgccagcc 100
 agtctccttg gcccatgtnc gcaggggagc aagtgggtgcc acaggtacta 150
 ccgaccggac ctgacaatac ctgaaattcc caccaaagcg tggagaactc 200
 aaaacggagc ttttgggact gaaagaaaga aaacncaaac ctcaagtntn 250
 nncaacagga ggaacttaaa taactacgtc caagaattct gtgaataata 300
 taagtcttaa atatgtatatt ctttaatttat tgcacaaac tacttgctct 350
 taagcactta gtctaagtct aactgcaaga ggaggtgctc agtggatggt 400
 tagccgcga 409

<210> 27
 <211> 390
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 37, 42, 62, 79, 81, 129, 132-133, 176, 179, 229-230, 248, 375
 <223> unknown base

<400> 27
 cgtgaaacac ccctttatatt ctttcataac tactcantat gnctatttcc 50
 ttcaccagat gnaagctcct gagctcagnc nctgactgtc tttttcaaca 100
 ctgactagta cataacaggc acccaatant tnnttaattg tggtaaaata 150
 tacataacaa agttaccatt ttaagnatnt aattcagcag cgttacatac 200
 attcaaattg ttgtgcaacc atcaccacnn tccatctccg gaactttnta 250
 tcttcccaag ctaaggctct tggcccatta aacaataact tctaattgca 300
 cccttccttg tccacctgg tgaccatcat tctgcactct atgaatttgg 350
 ctactttatg tcccccaaat aagtngaac ataccgaccc 390

<210> 28
 <211> 402
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 43, 105, 115, 245-246
 <223> unknown base

<400> 28
 tggcatgtgg gcccatattca gtttccctac atgttcccaa aanttattta 50
 aattactgtg tccaaaatta tgaggacagt gtcattcatt caccatagtt 100
 tatantctta gttanatatc aaacttcctt ggcacctagg ataagaacat 150
 ttcttttgaa gttatccaat ttttttttat ttttacttga cttgaaggaa 200

agttggaaaa tatggtggaa aaaatcttcc gcattaaaag ggtenntaaa 250
 acacaaccat ttacgatctc agtcagcaga tttactctac tcaaggaaaa 300
 aaagaaacaa tcttattgga agcagatggt gacactgtgt cagttattga 350
 agacggaagg agttcacttg agccattgca gttacaaagg ggtattgatc 400
 ga 402

<210> 29
 <211> 300
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 39, 47, 112, 134, 142, 144, 149, 177, 183, 234, 251, 257, 287,
 297
 <223> unknown base

<400> 29
 tctgcccctg aaatatacaa gggatcatgcc caaattaana caggtnnacc 50
 tttgtagagg taaatatggt ggcattatgt attgacattt atgcttcaag 100
 catgtcttat tntatgtaat ttttaagaaat actntattta antngtgana 150
 tatacctaaa agcatactag ttagctntta gantctcact tagggagggg 200
 aaagaaacat cactgatgcc aatatgaaga tttntaaaca aatcctttgt 250
 ntagaanttt tttcttttctg tgcacctcac aacacantta ccacgnnacc 300

<210> 30
 <211> 540
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 30, 85, 106, 114, 146, 153, 169, 178, 227, 231, 235, 253, 256,
 268, 343, 373, 443, 486, 531
 <223> unknown base

<400> 30
 ggccggttct ttttaagatct ttgacctgan ccaaagtttc ggggaagggg 50
 ggggttgccca ggtggagtgc atgggggatt ttggnttaat gcaagttccc 100
 cttecngtgt taangccatt ttctgcttc agcttttttg agtagntgga 150
 aanacaggcg cccgccaana cacctggnta attttttgta ttttcagtag 200
 agacgggggt tcaccgtggt ttcaatntcc ngacnttggt atccgcccgc 250
 ctnggnttgc caaagtgtg ggattataag cgtgagccac cgcgcccggc 300
 cgagatgttt tgatacaggc atgcaatgtg aaataatcag atnatagaca 350
 atgaggtatc catcccctcg aanttttatc ctttgtgtta ctaacaatcc 400
 cgtgaacact ttttttagtta ttttaaaatg tataattagt tantactgac 450

tatagtcaac cctggttatgc tgtcaaataa tagatnttat tcattctttac 500

tgttttttttt gtactcatta actgtttctca ncgccgaacc 540

<210> 31
<211> 168
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 56, 61, 112, 156, 165
<223> unknown base

<400> 31
gtttttttttt tttgaagcga actttttgcta tattgctaag gctagttttg 50
aactcntggg ntcaagcaat actgccttga cctcctaaag tgcttggatt 100
acaggcatga gntactgcgc ctggcctgca atatgtattt taagctactt 150
ttttntttat tccgnacc 168

<210> 32
<211> 534
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 98, 118, 504, 513
<223> unknown base

<400> 32
tgtcgacgcg aatgccccgc gggcggagaa ctgggctccc accgaggagg 50
ctggaggcag gttecgctgtg gttccccctc ccgacctggc agagctgncg 100
ggagctctct gaggtccntc gagagtaccg gaaggagcac cagactacgt 150
gttccttgct cttctgcggc gcctacctct acaaacaggg ctttgccatc 200
cccggctcca gcttcctgaa gtttttagctg gtgcccttgt ttgggccccat 250
ggctgggggt tctgctgtgc tgtgtgttga cctcggtggg tgccacatgc 300
tgctacctgc tctccagtat ttttggcaaa cagttggtgg tgcctactt 350
tcctgataaa gtggccctgc tgcagagaaa ggtggaggag aacagaaaca 400
gcttgttttt tttcttattg tttttgagac ttttccccat gacaccaaac 450
tggttcttga acctctcggc cccaattctg aacattccca tcgtgcagtt 500
cttntttctca gtncttatcg gtttgatccc cgga 534

<210> 33
<211> 361
<212> DNA
<213> Homo Sapien

<400> 33
aaaaaaaaaa aaaactgcct ttcttcccct cagtcaactt ttgtgctcca 50

gaaaattttc tattctgtaa gtctgagcgt aaaacttcag tattaata 100
 atttgtacat gtagagagaa aaatgacttt ttcaaaaata tacaggggca 150
 gctgccaaat tgatgtatta tatattgtgg tttctgtttc ttgaaagaat 200
 ttttttcgtt atttttacat ctaacaaagt aaaaaaatta aaaagagggt 250
 aagaaacgat tccggtggga tgattttaac atgcaaaatg tccctggggg 300
 tttcttcttt gcttgctttc ttcctcctta ccctaccccc cactcacaca 350
 cacacacaca c 361

<210> 34
 <211> 513
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 25, 81, 107, 357
 <223> unknown base

<400> 34
 acccggcatt agggaggcga ggtgngcaat gtcttaaccc cgggctcaac 50
 cagtccctccg gcttctgctt cccaagggtg ngggattgcc aggctggagc 100
 ccattgngcc cagtctattg tatagtttta aaaaaacaaa accaaaaggc 150
 taataaatgg cacccttttg caagctcttc cccctccctt tctttttcct 200
 tcccagtgtc tctacttct ctgacctagt tgacagcatt atacttttgg 250
 atggttggtag catgtataaa gtacattatt acataacaag ttaatataac 300
 ataatagttt caagggtttt gccacttaat tatactaagt tacttaacct 350
 ctcaatncct tatctgtaga ttttggtttt gatagggtgg gatagtaata 400
 gtaactacaa ggtttcacaa gggtgtgaaa ttgaatgaga aatacatggc 450
 actttaacaa gtcactatgg attatttaatt tttttttctt cttcttctgc 500
 tgctgcttct ccc 513

<210> 35
 <211> 445
 <212> DNA
 <213> Homo Sapien

<400> 35
 actatggtaa atagttatac tgtattgggt taggaaataa tggccatttt 50
 taaaagtctg tacatgttca gtacagacac agtctttttg aagtattttt 100
 tatccctcct ttgttgaatc ccatggatgc agaaccatgg atatgaaggg 150
 ctgactatat tctcacagtt atattcaagt tgtattttga atgattttat 200
 gacaatcttt taccaaaggg ccaactgtat tctcatgttt attattcaag 250

ttgtatgaca atttcatatc agccccccag agagttggca tttggattga 300
aatcatactg agtctctaga ttaatttagg gagaagtac atctttataa 350
ttttgaatct tccatccat gtatatgca gtgttttgta tttcagtggc 400
attttcaaat tttcttcagg taggtctctt agtgtttatt cccga 445

<210> 36

<211> 526

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 25, 50, 60, 123, 127, 370, 395, 397-398, 402-403, 405-407

<223> unknown base

<400> 36

attctccct cctggatgga tcgcnccacc gtcacattgc cttccccan 50
tggaggattn actcctatgc tggcgacaac atcgtgaccc cccaggccat 100
ttaccgaggg gctttggatg tcntgcntgt cgcagagcac cgggcagatc 150
ccagtgc aaa gtctttgact ccttgctgaa tctgagcagc acattgcaag 200
caaccctgc cttgatgggg ttggcatcct cctgggagtg atagcaacct 250
ttgtggccac cgttggcatg aagtgtatga agtgcttga agacgatgag 300
gtgccagaag atgaggatgg ctgtcattgg gggcgcgata tttcttggtg 350
caggtctggc tatttttagtn gccacagcat ggtatggcaa tagantnntt 400
cnngnnntct atgacctat gacccagtc aatgccaggt acgaatttgg 450
tcaggtctc ttcactggct gggctgctgc ttctctctgc cttctgggag 500
gtgccctact ttgctgttcc tgtccc 526

<210> 37

<211> 375

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 220

<223> unknown base

<400> 37

ttttttttct tgtttaagct gactctttgc tctaattttg gaaaaaaga 50
aatgtgaagg gtcaactccc acgtatgtgg ttatctgtga aagttgcaca 100
gcgtggcttt tcctaaactg gtgtttttcc cccgcatttg gtggattttt 150
tattattatt caaaaacata actgagtttt ttaaaagagg agaaaattta 200
tatctgggtt aagtgtttan catatatatg ggtactttgt aatatctaaa 250
aacttagaaa cggaaatgga atcctgctca caaatcact ttaagatctt 300

ttcgaagctg ttaatttttc ttagtggtgt ggacactgca gacttgtcca 350
gtgctccac gccctgtacg gacac 375

<210> 38
<211> 493
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 28, 64, 159
<223> unknown base

<400> 38
cccaacttgg aggtggagac tatggagntg atcggatggg cccggggcag 50
actttccct tggngctgtt ctctgatag tgaataaggc tcaccagatc 100
aggtttaaaa gtgtgtagcc tccccattct ctctcttct catccagcca 150
tgtaagacnt gcttgcttcc cctcacctt ctgccagggt tgtaagtttt 200
ctgaggcctc ccagccatgc ttccctgtac agcctgtaga accatgagcc 250
aattaaacct attttcttta taaattatcc agtctcaggc atttctttat 300
agcagtgtga gagtggacta atagagctag ttattagtag agccaagatt 350
taaattcgag ctgctggct cccgagttct actttctcaa accctatggt 400
aagctattgt ccacagcatt caacattggt gaattatctt tgtcaactaa 450
ccttggaagt cttaaatttt gtcctaatacc tgtcccctat tcc 493

<210> 39
<211> 123
<212> DNA
<213> Homo Sapien

<400> 39
tttttttttt ttttttcttt tgtactgagc tcagcataga ctaatactac 50
cttaatgtta aaatctgaat ttcttttagc attttgctta aaagcaatat 100
gctatttgct tattccgtgc gaa 123

<210> 40
<211> 119
<212> DNA
<213> Homo Sapien

<400> 40
tttttttttt ttttttcttt tgtactgagc tcagcataga ctaatactac 50
cttaatgtta aaatctgaat ttcttttagc attttgctta aaagcaatat 100
gctatttgct tattccgtg 119

<210> 41
<211> 398
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 61, 91, 144, 238-239, 262, 265-266, 271, 274
<223> unknown base

<400> 41
agagcaccgg cagatcccag tncaaagtct ttgacccttg ctgaatctga 50
gcagcacatt ncaagcaacc ccttgcccttg aaggtgggtg ncatcccccc 100
tgggagtga tagcaatctt tgtggccacc gttggcatga agtntatgaa 150
gtgcttgga gacgatgagg tgcagaagat gaggatggct gtcattgggg 200
gcgcgatatt tcttcttgca ggtctggcta ttttagtnnc cacagcatgg 250
tatggcaata gnatnnttcg nggnttctat gaccctatga cccagtcaa 300
tgccaggtag gaatttggtc aggctctctt cactgggtgg gctgctgctt 350
ctctctgctt tctgggaggt gccctacttt gctgttcttg tccccgaa 398

<210> 42
<211> 437
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 87, 97
<223> unknown base

<400> 42
aggtagtcct taaaaaaaaag tctcctctct gtacccttct tcaccaatc 50
tacaactagg ttttttggtt ggaattttat tattagntac caaacanggt 100
aacatcttta catgccagat tccaaagata ccctagaaga gccagagggt 150
tgcaattcct ctctctcact ttgcattccc tcctaagaaa tacttgcccc 200
taactcaaag ggcagaagga gtccagggtt ctttcagcat taaaattctc 250
tatagttttc tgggagaggc acatgttctg agtgtgagga gaactgttct 300
ggttattggt tataaattgt tttcatcttc tatttcttat aacagattat 350
aaatttatgt tttctgatgc ttcatactat tatgaggatt tggttggcaa 400
attatcttac aataaccacc catatattca tgcattgg 437

<210> 43
<211> 499
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 81, 93, 150, 340
<223> unknown base

<400> 43
ccaccaagag cctgaaggca gtcnctgtgt tccccttccg acctggcaga 50

gctgcgggag ctctctgagg tccttcgaga ntaccggaag gancaccagg 100
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 gccatccccg gctccagctt cctgaatgtt ttagctgggtg cttgtttggg 200
 ccatggctgg ggcttctgct gtgctgtgtg ttgacctcg tgggtgccac 250
 atgctgctac ctgctctcca gtatttttgg caaacagttg gtggtgtcct 300
 actttctga taaagtggcc ctgctgcaga gaaagggtgn ggagaacaga 350
 aacagcttgt tttttttctt attgtttttg agacttttcc ccatgacacc 400
 aaactggttc ttgaacctct cggccccaat tctgaacatt cccatcgtgc 450
 agttcttctt ctcagttctt atcgggttga tcccatataa tttcatcga 499

<210> 44
 <211> 494
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 37
 <223> unknown base

<400> 44
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 cctctgcca atagacttgc tgcctaacc ctgctttagg acttctcatt 100
 tactgcagat attggtacac ataggtagtg ggcggctgcc tgagagagac 150
 catttggtac ttcttttctt atctcaaagc tgccttcagtc tttgtgcaca 200
 ggggatgctc agaagcgtgc cttctttcag ggagactggc catgcgcctg 250
 agttagatga taacatggag gttcatcaca cgctgtctac ttgagtgtgt 300
 ttttggaatt ctccataata aaaagttaaa aaatacaatt gataggtaag 350
 agtaattgaa gtagtttcaa attgggttagc tataaaatgc aactatgaag 400
 aggattgtag gtaattaaaa tactaagatt gtattgagga gaaatatatt 450
 attcagaaca atacctgtga catggcatta gtgacaaata tgac 494

<210> 45
 <211> 561
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 28, 35, 73, 88, 153, 198, 292
 <223> unknown base

<400> 45
 ttcagagcca gaagggcctc gagctgcnag ccccntggaa tgaagcaggc 50
 ctgggctgag gctggaaggg aanccctct aagctggncc gggggcgagg 100

aaacttacca ccaggggact cgagatgggg aaggaaaggt cagaaagagg 150
 agnaggccca ggcacgggggt gtgggcggcc tgcagagctg gagccagntg 200
 ctccgcccag agccaggcat gcacactcag agtaggtggc ctgtgccacc 250
 ggggaagagg ggcgggtcgg cgtgctgctg aagatgccag gnagctgccg 300
 gcctgctctg tgcgtgctga aaggtgtggt gagaagcact tacaaaaaga 350
 aatggactgt gttaggattg cacattttac tttgtttctc ccaaatacgt 400
 tctctttgaa tttttttcct tccagggcca ggactggagt gatggttgag 450
 acaggcacgc actgggtcct gtctgcattt acattttgag attttgttca 500
 gcatggattt tatggcgttt ttttgtttgt ttgtttgttc gttttcaaaa 550
 tactgcaccg a 561

<210> 46
 <211> 511
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 9, 25, 43-72, 178, 180, 355-356
 <223> unknown base

<400> 46
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 nnnnnnnnnn nnnnnnnnnn nnatccttgg gtgtgggctg atcaccttga 100
 cctcaggtct ttgtgctatt gccctctctg cttttgggca ccttgacctc 150
 aggtctttgt gctattgcc tctctgcntn cgggcacctt gacctcaggt 200
 ctttgtgctg ttgccctctc tgctttgggc accttgacct caggtctttg 250
 tgctgttgcc ctctctgctt tgggcacctt gacctcaggt ctttgtgcta 300
 ttgccctttc tgctttgggc accttgacct caggtctttg tgccgttgcc 350
 ctctnnngctt tgggcacctt gacctcaggt ctttgtgctg ttgccctctg 400
 tgctttgggc actcttcctc agacctgtgc atcacattcc ctctcttcag 450
 ctctctgctc aaatgtcacc tccttcctga catcttcctt gaccatccta 500
 gccaaaatac c 511

<210> 47
 <211> 470
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 113, 450
 <223> unknown base

<400> 47

cgccctagcc ctctgtgatt tcataatgct ggaagtatgc ttttttaaaa 50
 agttttaaatt cttgcccatt tttactgtag cggaataaa tacatgctag 100
 tattctgaga gtnntatgaa actagacata aaacaagtta aaattaatgg 150
 ggaaatggct agatgtccat gactgtcaga gtcagtacat tgtcagtatc 200
 ctccagaaat gtcactgata ttaagcaagc tgagttatct ccggcggtga 250
 atccatgaag aatgataaat gttttctcat catacttatt cttagaatgt 300
 tgtgatactt ttgatatttc agttactcgt ctttaaaagg ggagtgcctt 350
 tccctgggccc ttgcctaaga gaagaaagaa agactatatt aagacagaaa 400
 acatggacat tttaaagaga cgaatacact gctatgtgaa ataccagttt 450
 tactcagtaa actccctcga 470

<210> 48
 <211> 543
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 46, 65-66, 80, 144
 <223> unknown base

<400> 48
 gcaggcccaa agaagaagct caggctgaaa tgaaccgtac cgcctnccga 50
 gggagaaaga attcnnggcc aaggaagctn cggcattggg atcccttggc 100
 agttgcagcc actgaagtgg agaaggagac ccaggagaag atgncctcct 150
 ccagacatac ttccggcaga acgggatgaa gtctggacaa cctcttggct 200
 tttgtctgtg acattcggcc agaatccctg aaaactaccg cataaatgga 250
 tagaagagag aagcacctgt gctgtggagt ggcatttttag atgccctcac 300
 gaatatgagc ttagcacagc tctagttaca tcttatgata tggcattaaa 350
 ttatttccat atattatata ataggtcctt ccactttttg gagagtagca 400
 aatctagctt ttttgtacag acttagaaat tatctaaaga tttcatcttt 450
 ttacctcata tttcttagga atttaatggg tatatgttgt ctttttttcc 500
 tatgtctttt ggctcaagca acatgtatat cagtgttgac cga 543

<210> 49
 <211> 485
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 14, 484
 <223> unknown base

<400> 49

cggacgcttg ggcnngcgcca gcggccagcg ctagtcgggc tggtaagtgc 50
 ctgatgccga gttccgtctc tcgggtcttt tcctgggtccc aggcaaagcg 100
 gagcggagat cctcaaacgg cctagtgtt cgcgcttccg gagaaaatca 150
 gcggtctaata taattcctct ggtttggtga agcagttacc aagaatcttc 200
 aaccctttcc cacaaaagct aattgagtac acgttcctgt tgagtacacg 250
 ttctgttgga ttacaaaag gtgcaggtat gagcaggtct gaagactaac 300
 attttgtgaa gttgtaaaac agaaaacctg ttagaaatgt ggtggtttca 350
 gcaaggcctc agtttccttc cttcagccct tgtaatttgg acatctgctg 400
 ctttcatatt ttcatacatt actgcagtaa cactccacca tatagaccgc 450
 gctttacctt atatcagtga cactggtaca gtanc 485

<210> 50
 <211> 525
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 255, 319-334
 <223> unknown base

<400> 50
 catggtggtg cgcaactgta gtcccaggta cttgagaggg tgaggtggga 50
 ggatcatctt aaccccgggg agatggaggc taaaatgagc tgtgttcaca 100
 ccaactgtacc ccagcctggg caacagaata agacgctgtt tcaaacaaaa 150
 atgtgtaact caaaaacagc aaaatgctta gttcttttga aatgcaacat 200
 tttaggctac tgtttatttg ccaatagaac ttttttttct ctctctctcc 250
 ttatntgtaa acttagctat atatgtttct cactcttggg tctgtgtact 300
 tcaaaatctt ttagaaatnn nnnnnnnnnn nnnnaaaaaa aaaaatggaa 350
 taatacaaaa ttatactaag attcattcat gttatttttt gtggctgcag 400
 tgcattcatt tccactatat agtatttcat tgtctgatgt accagaattt 450
 atccactctc tttttgatgc atgtttggat ttgcagtctt ttgctttatg 500
 aaaagtgctg ctgtaaaaat tatta 525

<210> 51
 <211> 150
 <212> DNA
 <213> Homo Sapien

<400> 51
 tttttttttt ttttttgggt ttgttggtgt tgtagtagtc tgggtgctggc 50
 cacatttaag tcttaaaaat ttttaaattt tggttggtgat gttttagtagc 100
 agccctgttg ttgaaatcat ggctttatcc attttattta ttttcgaacc 150

<210> 52
<211> 179
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 43, 133, 162
<223> unknown base

<400> 52
tttaatagtt attcgtcttc tggtgtatag ncatttaagt tgnttatatg 50
tttctgttat taaccctttg tcccacgtat gatttgcaaa tattttctcc 100
catttttttt cagttgtctc attttgttga ttntatcaga ttccatgaag 150
cagcttttta anttcaagaa aaacgaatc 179

<210> 53
<211> 324
<212> DNA
<213> Homo Sapien

<400> 53
cggaagtccc ttgaggagcg tcagaagcgg cttccctacg tcccagagcc 50
ctattacccg gaatctggat gggaccgctc cgggagctgt ttggcaaaga 100
tgaacagcag agaatttcaa aggaccttgc taatatctgt aagacggcag 150
ctacagcagg catcattggc tgggtgtatg ggggaatacc agcttttatt 200
catgctaaac aacaatacat tgagcagagc caggcagaaa tttatcataa 250
ccggtttgat gctgtgcaat ctgcacatcg tgctgccaca cgaggcttca 300
ttcgttcatg gctggcgccg aacc 324

<210> 54
<211> 391
<212> DNA
<213> Homo Sapien

<400> 54
cccactcaga tctactgaaa ctgaaaacct gggagcaggg cccagcaatc 50
aagagttttt aacaaacctt cctgggtcatt ttgatgcaca cgcaagtttg 100
agaacctgtg cccttttagga ggatttcctt ttcctcacta aaagccccct 150
gaaagatgcc tccaggggtat gcctctgtgc cctactgccc actgctgctt 200
tcctgtttcc taggaatccc ctttatgaag taccatcctt ccagaaagat 250
ttcttaccta ccttgaaagg atcttggctt ctccacaagg ttactccatc 300
ctctgagcag ttatttccga ttctactttt gaatgggttc ttttcagatc 350
ttcctcagtg ctttctcttt ctggctaccc ctcaagcccg a 391

<210> 55
<211> 280

<212> DNA
<213> Homo Sapien

<400> 55
atatatatat aaatatagaa atatatatat agaaatatat atatattctt 50
ctccatatcc aaaagcaaga ttacaaattt cagttgaggg taatagcact 100
taaagtagga acagagattc tttatgtgtt agcataattc ttttttatta 150
caattctgtt actaaagaat caggtgtcat taaaggtgaa catggttacc 200
ttcaccttct gcacagcagt ttttcatata cttgaagaca ttaaattccc 250
ttccccatcc aacttaattc tttccagcga 280

<210> 56
<211> 485
<212> DNA
<213> Homo Sapien

<400> 56
cggacgcgtg ggcggacgcg tgggtggcct tagagtagtt ttttgagcat 50
ttattgtgct tgggtgttctc tgaacttcct tagatctgtg gtttggtgtc 100
tgacattaat ttggataaat tttcagtcac tgttggttta aatatttctt 150
ctcttccttt cttctcctct tgggtactttc atgtgtttat attacacctt 200
ttgtacctgt cccagagttc ttgggtatta tcttctgttt ttttttgggc 250
cttttttttt tccctttggg tttcagtttg tattgataca tccttaagct 300
cagagattat tctttttttc agcgggtgtcc actctcctaa tgagcccatc 350
agtggcattc ttcatttctg tcaccatgct ttgctctctg gcacttcttt 400
tcattttttt cttagaattc ctatctccct gctcatgctg cccacctgtt 450
cctgcaagct gcctactttc tccattagag tcctt 485

<210> 57
<211> 260
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 42, 53, 93
<223> unknown base

<400> 57
tgggtgtcttt cccaccacag ccngagagt cagtcatttt tncaaagaag 50
ccntgggttg ctttgtggag aatgatatat gttattatta ttntccgcag 100
ccaacatgac cgctcctctg gtgtctttcc caccacagcc cgagagtcag 150
tcatttttca aagaagcctg gttggctttg tggagaatga tatatgttat 200
tattattttt tgttttgtta tgttgtgttt tttagacagt ctgctcttt 250
gcccagccga 260

<210> 58
<211> 344
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 17, 66, 76, 92, 148, 174, 178
<223> unknown base

<400> 58
ggagtaaaaa gactgtnaaa catttttttt taaaaaatta tttttacatt 50
acgacaatat atttanggat gtgttnagat caaaaattaa anttctgtgt 100
cccagatcta ctttcaaagt gagattttca cttgtcagct taaatttntg 150
actagaacta acatttgtgt attnttgngc ttagtcggaa tacaaatttc 200
acagtggatt tttgaagttt gtccttaa atggataaa caagtgatta 250
aagttactaa agagataaaa atggtaattt ccatttttaa aagtaatttg 300
gttgtgttta tagttatttg tacaagtatt tatcacagcg aacc 344

<210> 59
<211> 495
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 39, 58, 130, 234, 314, 364, 427, 450, 461, 476
<223> unknown base

<400> 59
agcaatgccc tgccccaggt ggaggattaa ttcctatgnt ggggacaaca 50
ttgtgacngc ccaggccatg tacggggggc tgtggatgtc ctgctgtctg 100
cagagcaccg ggcagatcca gtgcaaagtn tttgactcct tgctgaattt 150
gagcagcaca ttgcaagcaa cccgtgcctt gatggtggtt ggcattcttc 200
tgggagtgat agcaatcttt gtggccaccg tggnaatgaa gtgtatgaag 250
tgcttggaag acgatgaggt gcagaagatg aggatggctg tcattggggg 300
cgcgatattt cttnttgcag gtctggctat tttagttgcc acagcatggt 350
atggcaatag aatngttcaa gaattttatg accctatgac cccagtcaat 400
gccaggtacg aatttgggtc ggctttnttc actggctggg ctgctgcttn 450
tttctgcctt ntgggaggtg ccctantttg ctgttctctg gaacc 495

<210> 60
<211> 266
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 37, 56, 116, 190, 210
<223> unknown base

<400> 60
aacttggtcag aggcaagtgt ccagagtttt gctatanatt cattatggaa 50
ggtttnacct tattgaaatg acagttcccc accttttagca ttttatattg 100
ttccattaac tgtcanacaa acattcctgc aaaatatcag ttcaggaacc 150
aaacttactt tccctgagat ggtaaccggt tcacagcctn tcatattgct 200
gcttcattan gtgatgaagt ctaaacacgt aaatgggtgac cagttaaaac 250
acacacctgc cgaacc 266

<210> 61
<211> 421
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 3, 5, 22, 142, 147, 186, 198-200, 205, 260, 296, 306, 314
<223> unknown base

<400> 61
ccnanggggc cggttttttt gnatttttag tagagacggg gtttcacat 50
gcaagcccag ctggccacgt aggtttttaa gcaaggggcg tgaagaaggc 100
acagtgaggt atgtggctgt tctcgtggta gttcattcgg cntaaanaga 150
cctggcatta aatttcaaga aggatttggc atattntttt cttgaccnnn 200
ctctntaaag ggtaaaatat caatgttttag aatgacaaag atgaattatt 250
acaataaatn tgatgtacac agagtgaac atacacacat acaccntaat 300
caaaangttg gggnaaaatg tatttggttt tgttcctttc atcctgtctg 350
tgttatgtgg gtggagatgg ttttcattct ttcattactg ttttgtttta 400
tcctttgtat ctgaacgaac c 421

<210> 62
<211> 390
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 35, 37, 79, 91, 98, 155, 162, 170
<223> unknown base

<400> 62
agagacgggg tttcaccatg caagcccagc tggcnangta ggtttttaaag 50
caaggggct gaagaaggca cagtgaggna tgtggctgtt ntcgtggnag 100
ttcattcggc ctaaataagac ctggcattaa atttcaagaa ggatttggca 150
tttntcttc tngacccttn tcttttaaagg gtaaaatatt aatgtttaga 200

atgacaaaga tgaattatta caataaattt gatgtacaca gactgaaaca 250
 tacacacata caccctaatac aaaacggttg ggaaaaatgt atttggtttt 300
 gttcctttca tcctgtctgt gttatgtggg tggagatggg tttcattctt 350
 tcattactgt tttgttttat cctttgtatc tgaacgaacc 390

<210> 63
 <211> 448
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 25, 61, 77, 80, 93, 147, 175-176, 234
 <223> unknown base

<400> 63
 tcttttagaga tctttgactt gaccnaaggg tccgcaaagg gttcggggtt 50
 tttgtatttt nagtagagag gggtttnacn atgcaagcca agntggcaaa 100
 gtaggtttta aagcaagggg cgtgaagaag gaaacagtga ggaatgnngc 150
 tgttttcgtg gtagttcatt cggcnnaaat agacctggca ttaaatttca 200
 agaaggattt ggcatttttt tttcttgacc cttntcttta aagggtaaaa 250
 tattaatgtt tagaatgaca aagatgaatt attacaataa atttgatgta 300
 cacagactga aacatacaca catacaccct aatcaaaacg ttggggaaaa 350
 atgtatttgg ttttgttcct ttcacacctg ctgtgttatg tgggtggaga 400
 tggttttcat tctttcatta ctgttttgtt ttatcctttg tatctgaa 448

<210> 64
 <211> 245
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 73, 114, 120, 122, 184, 205
 <223> unknown base

<400> 64
 gtgtgtgtgt gtgtgtgtgt gtgtatgtgt atatatatat acatatatat 50
 acacatatgt atgtatacct aantcctaaa gtggaacagt aagagtcatt 100
 atttatagat tatntgattn tntatgtgga aagagaaaag aatcatatta 150
 agtactttgg actgaacaat gacccccaaa attngtatga tgatgaagct 200
 ctctntaaat attttcttgc tttactggac tgattttaac ccgct 245

<210> 65
 <211> 381
 <212> DNA
 <213> Homo Sapien

<220>

<221> unsure
<222> 21, 59, 65, 80, 116, 155, 180, 188, 202, 223, 236, 246, 341, 361
<223> unknown base

<400> 65
agggatccag gttggtagag naatcccggc cggtttccca gagatgttta 50
accagcacnt gcttntgaga cttcggttttn tgttccagca accctgggtg 100
ggggggtcaga cttganacac tttcagggttg ggagtggacc caccaccagg 150
cctgntgagg acagagcagc caggccgten tggctaantt tgcagttggc 200
antgggttg ggaggaagag agntgatgag tgtggnttcc ctgagntggg 250
gtttccctgc ttgtccagtt gtgagctgtc ctcggtgtta ccgaggctgt 300
gcctagagag tggagatttt tgatgaaagg tgtgctcgt ntctgcgttc 350
tatcttctct ntcctccttg ttctgcaaa c 381

<210> 66
<211> 321
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 28, 36, 144, 146, 161, 170, 205, 210, 213
<223> unknown base

<400> 66
acttaaaaat attggtgagt tctaaacnga tttttngtat atatcatata 50
tagaaaatat taaatttttg ttctaaaaca accaaaaatg gagcatacat 100
ttagagtggc atttggtgca tattattaaa caaatgaaac tgantntttt 150
ttcatcctga ngcagattan atcccatttt aatctttttc ctctctcctt 200
ttctnaaccn acntcagagt atcctgtaac agctgtccct atagttttca 250
aggaaagtga taataatgag attacttctt ctttcatcgt ttattttttt 300
gggaggatgg ggaaaccaca c 321

<210> 67
<211> 123
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 53, 75, 100, 110
<223> unknown base

<400> 67
tcccctgaat attcaggagg gagaagcaat cgccccagga cagagacggg 50
ganatcccag gagcagggtta caggnttttag caatatccat cttgcggtan 100
tccctccctn acaacaacca gac 123

<210> 68

<211> 521
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 66, 73, 97, 116, 134, 182, 187, 262, 364, 432, 477, 507
<223> unknown base

<400> 68
aaatgaccta taaataagtt ggtttgggan attattatTT ttttagcatt 50
atTTTtaaaa tagatnatgg ttnatatTTa attggaattc cataatntaa 100
tgtactgata ggtaanttgt gtggaaattg tttngcagac ataaattact 150
aaataaatgt tctgtTTTca gatagTTtag tntttgngac attaagtatt 200
gggacagatt gTTTTgactc caattaatat tctgaaatTT ttctcctTTc 250
attacctacc tntccattat gcctcagttg taacggtgag taaaactatt 300
tttgtgtctc atactTTtctt tatctTTtaaa ctttgTTtta cacagtaatt 350
atTTTcaacc attntTTtgct aactgcacct cgctgcatgg ttccttcctg 400
tgtccacca accagccgcc acatTTTacc anatgttccc agtgttcatg 450
ggccctTTcc acccttgTct caaaatntcc ctattgattt tattttgctt 500
ttgttantcc cttcaaacgc c 521

<210> 69
<211> 382
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 155, 170
<223> unknown base

<400> 69
agagacgggg tttcaccatg caagcccagn tggccaagta ggTTTTaaag 50
caaggggcgt gaagaaggca cagtgaggta tgtggctgtt ctctggttag 100
ttcattcggc ctaaatagac ctggcattaa atttcaagaa ggatttggca 150
TTTTntTTTc ttgacccttn tctTTtaaagg gtaaaatatt aatgtTTtaga 200
atgacaaaga tgaattatta caataaatTT gatgtacaca gactgaaaca 250
cacacacata caccctaac aaaacgttgg ggaaaaatgt atttggtTTT 300
gttcctTTca tctgtctgt gttatgtggg tggagatggT tttcattctt 350
tcattactgt tttgtTTtat cctttgtatc tg 382

<210> 70
<211> 405
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 33, 43, 58, 98, 110, 122, 125, 191, 226, 232, 234, 251, 321
<223> unknown base

<400> 70
acaccaatgc agtgaggctg gggattcccc aantggatcc atngcaccag 50
gttcaagnta accccaaggg cagttttttt ttccaaaaca ttaacagnta 100
agtgtttgtg tggggccaatt tntentacca agtttaaatt aaccaacatt 150
ttttttttta aacccaaaaca caaggaagac taaccacgtg nttccaggaa 200
tggcctgtat ttaccaacc actttntata cntnttttcc aacccaaaagt 250
nttaatatgg gaatatccct caccacgac ctaatactgt cagtagctgt 300
cctgctgtcc acagcagccc ntccgagctg ccgtgagtg tatcagtttt 350
tgcactacag aggggagatg caacaatact ttacttacca tactcatata 400
gaaag 405

<210> 71
<211> 526
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 26, 44, 54, 143, 244, 351, 504
<223> unknown base

<400> 71
gttcaggacc aagcggtaag aaggcntgag gaccagggcc ccantggagc 50
agtntgtcct tatgccgaat caaggcggaa catgggtgaa agacgagtaa 100
ggggcaaate acagaatatt ccacagcgcc ctccagagtt acntggggag 150
gaccgaggcc acacgccact gccccgagg ccagagtgt agtaaaggat 200
aaccaggact cgctgggaga gatggattct gtcctcagca acantccaca 250
gcagaaaggg gtagcaggta ccccttttta tcagcggtaa aaatgcattt 300
acaacctttc atttaaccga aaaacacaga ccgctttaac ctttttattt 350
ntgtcccca ctgcatgaac atttatacaa ttttaaaaat acttcctcat 400
aggatgcttt ggcccttcat ctatttaate atagctacat acctattttt 450
tataagtagc agtacacatt caaaggggta ttcctagctc aatgcttggt 500
gttntagttc aacttttatc ctgcag 526

<210> 72
<211> 366
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 24, 274, 348
<223> unknown base

<400> 72
tagaaataac ccttttcctt attngatttt agtcatcaaa catagtatga 50
tatgggaaaa gtcagccatt taccagaaat tatcttattt tgattttaaa 100
aactcatttc tataatgtagt tattgtaatg tctatttttt tagacttaaa 150
gatttataga agactatagt tatctgattt gttatttggc attttttcat 200
tctgtaaatc tttgcttatg gcacattgtg ctctctgttt tccatgggtt 250
tattcattta tctcctccta tttngagggg acaacatggg tagttaaatc 300
tttgtcaata gtattggaga taacactaac tgctattatc ataacatntt 350
catttttact gcatgc 366

<210> 73
<211> 634
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 10, 59, 62
<223> unknown base

<400> 73
ggactgaatn cacttgtaat ggtgaccact gaaagctgca gagggacagt 50
aggtatttna tnaaatgcct tatatggcat tctatatgaa gaacctctga 100
acccaaagta tattatttag aaagaaagat aaagagatat aagcaaagta 150
agaatatatc ttaaaagtat cttataaacc attaacttat agtggtaaga 200
taaaccctct atcagcagga aaatacctgc atatgcatac ataaggaaga 250
ctgtgcacct aatctaggga tacataataa ggtggactct gtattagtag 300
taagtatttt tataaaataa tacttagaac aaattatata agataattat 350
aaatattaag atctttatat tgcattgctt ctgacttaaa aaatgaataa 400
ataaatgggg tcttgctatg ttaccagggc tggaatgcag tggctattta 450
caggcacaat catagtgcac tacagcccca aactcctggg ctcgagcaat 500
cctgttgccc agcctcccag gtagctggga ctatatataa gcaggcacca 550
ctgtgcctgg ctgcttctga ctaatccaag taagaataat aaatctatga 600
caaagttata cacaatctcc taccctacc tcag 634

<210> 74
<211> 493
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 31, 42, 60, 114
<223> unknown base

<400> 74
atggaaccca gttggaaacc actcttcacg nttattttatc cnggggaact 50
tcccccaacn tagccaaggc ttcgggtgag ttctcactcc aaaggtggga 100
actggaccat gggnacactt ggacacggat ggggaactca cacaccgggc 150
ctgtcttggg gtggcggtag ggcgtagcga tagcatagga gatacaccta 200
atgtaatgac gagttatggg tgcagcacac caaatggcac tgtatacgta 250
tgtaacaaac ctgcacttgt gcacatgtac tctagaactt aaagtataat 300
ataaaaattt taaaaatttt aaaaaataa aaaaatcact gggctaaagt 350
aaataagtat ttactgggtt ctaagattgt ttttcagaga gaaaaacaat 400
agaagtgtag aagcaattcg ataaagaaag gagtcttttc aacaaatgtt 450
gctgcaacag tcaaattgtc gtatgcaaaa aaatgaacct cca 493

<210> 75
<211> 255
<212> DNA
<213> Homo Sapien

<400> 75
tggaaaaaaa aaaaaaaagc cccttttcag tttgtgccac tgtgtatggg 50
ccgtgtagat tgatgcagat tttctgaaat gaaatgtttg tttagacgag 100
atcataccgg taaagcagga atgacaaagc ttgcttttct ggtatgttct 150
aggtgtattg tgacttttac tggtatatta attgccaata taagtaaata 200
tagattatat atgtatagtg tttcacaaag cttagacctt taccttccag 250
ccacc 255

<210> 76
<211> 627
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 20, 47, 56, 66, 144, 163, 169, 294, 367, 395, 583
<223> unknown base

<400> 76
tttaggggtc cttgacttgn accaagggtt cggggaaatt taaaggntta 50
aggaanggga ggaaangttt cttaaatttg gaattaacag taataatttt 100
tggaatttcc aataaaattg gcaaaagatt gggaaatttt ggangaataa 150
gggaaacaga tanttttcng ggtattcagg taaagtttaa aaaaggtttt 200
aaaagagagt ttttctaaca ttttgaaaag caacatgaaa aatgaaaaca 250
gttttaacag atatacaata tggatgactt atatacaaat gacnttaaaa 300

ttggtgagac agaccggcca tcagtgtggc atgtcagaga aggcaattga 300
 aaaattttatc agacagctgc tggaaaagaa tgaacctcag agaccccccc 350
 cgcagtatcc tctccttata gttgtgtata aggttctcgc aaccttggga 400
 ttaatcttgc tcaactgccta ctttgtgatt caacctttca gcccathtagc 450
 acctgagcca gtgctttgtg gagctcac 478

<210> 79
 <211> 637
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 17, 54, 66, 113, 124, 160, 163, 165, 170, 179, 204, 259, 299,
 382, 384, 487, 634
 <223> unknown base

<400> 79
 gtttgtccct ttttcngtt ttttttggac aaattcagta taccaagcaa 50
 catnaattcc agtttnggtg gattcccggg gtcttttggg atccttgact 100
 tgaccaaggg tcnggccctt ttengttggg acgtttgtaa gttttgggca 150
 gtttccgggn gantngggan tcgggtttng ctttctgtgt tccattcgcc 200
 cggngcgggtg gtgcaggttt tcgggctagt catgggtccc cgtttcggag 250
 actgcagant aaaccagtca ttacttgttt caagagcgtt ctgctaant 300
 acacttttat tttctggatc actggcgtaa tccttcttgc agttggcatt 350
 tggggcaagg tgagcctgga gaattacttt tntnttttaa atgagaaggc 400
 caccaatgtc cccttcgtgc tcattgctac tggtaaccgtc attattcttt 450
 tgggcacctt tgggtgtttt gctacctgcc gagcttntgc atggatgcta 500
 aaactgtatg caatgtttct gactctcgtt tttttggteg aactggtcgc 550
 tgccatcgta ggatttgttt tcagacatga gattaagaac agctttaaga 600
 ataattatga gaaggctttg aagcagtata actntac 637

<210> 80
 <211> 294
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 18, 42, 105, 198, 205, 266
 <223> unknown base

<400> 80
 ggcggtatct tttttgcnag ttgcaattgg gggcaaagggt gnccttgag 50
 aataattttt ttttttaaaa tgagaaggcc accaagtccc cttggtgatc 100
 attgntactg gtaccgtcat tatttttttg ggcaccttg gttgttttgc 150

acagtttgca aaagatgtcc agatgggttc ttctcaaag agacgtcatc 600
taaagcacc c t g t a g a a a a c a c a c a a a t t g c a g t g t c t t t g g t c t c c t g c 650
taactcagaa aggaaatgca 670

<210> 83
<211> 427
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21, 131, 150, 225, 352
<223> unknown base

<400> 83
aggctttcat tccccaccta nggagttaat tttttggatt aaaagggtttt 50
tagaactttt tgttgatggt tggttttatt aaggcccga agaaacattc 100
agattcgatt gaggaccagg aaatggcctt ntagggaaga gaaggcattn 150
tgctagatgg cttttaaaaa tatttccgcc agagtcactt gtctcattaa 200
caacagtttt tgtcttagaa gtctntctgt gattttataa actagcatga 250
ttttgttatg aatgcatgct gctctgggtc tctaataagc ccaacatgca 300
tttgcacat gtcggcaata agcacttttt ttgctgtggt aacaatgtca 350
tnttcattgt tgtgtgcctg tgttttgact gtgacctgtc acatgagggt 400
gggtgtggaa ttttccactt gtggcaa 427

<210> 84
<211> 371
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 178
<223> unknown base

<400> 84
tctttggagc tgcaggaggg acggatggcg gaaccttcca gtccccttca 50
gaggcgactg ccaactcgccc ggccgtgcct ggactcccta cagtgggtccc 100
tactctcgtg actccctcgg cccctgggaa taggactgtg gacctcttcc 150
cagtcttacc gatctgtgtc tgtgactnga ctcttgagc ctgcatata 200
aattgctgct gcgacaggga ctgctatctt ctccatccga ggacagtttt 250
ctccttctgc cttccaggca gcgtaagggtc ttcaagctgg gtttgtgtag 300
acaactctgt tatcttcagg agtaattccc cgtttccttc aagagttttc 350
atggattcta atggaatcag g 371

<210> 85
<211> 324

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 33, 167
<223> unknown base

<400> 85
caggaacctc tttaagaaag tntattgtta ctnaaaacac accactgtct 50
tctggatgct tttctgggtg cctttgaagt tcatgcaggt ggaggacgtg 100
gacattgacg aagttcagtg tattctggct aacttgatat acatgggaca 150
cgtcaaaggc tacatcncgc atcagcatca gaagctggtg gtcagcaagc 200
agaacccatt tcctcccctg tccacgggtg gttgaaagta cacggagccc 250
cgaggacggg tgagcagttg tttctttcca ctttggttgt gctgatgaga 300
ccggtccggt actgcaacaa ggcg 324

<210> 86
<211> 514
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 20, 38, 64, 358
<223> unknown base

<400> 86
caacattctg gaccactaan cctctcttgg caacactngt tggacagatc 50
ctgaagatat gggngaccta ttcctagaat gttgctgaag cttttctgga 100
tggtggtgaa tataattctg cacttcccct cctcagtgct cttgtttgct 150
ctgaaagata caaccttgca gtagtttggc ttcgtcatgc agaatgttta 200
aaggccttag gctatatgga gcgagctgct gaaagctatg gcaagggtgt 250
tgatctggcc ccactccatt tggatgcaag gatttcactt tctacccttc 300
agcagcagct gggccagcct gagaaagctc tggaagctct ggaaccaatg 350
tatgatcnag atactttagc acaggatgca aatgctgcac agcaggaact 400
gaagttattg cttcatcggt ctactctgtt gttttcacaa ggcaaaatgt 450
atggttatgt ggatacctta cttactatgt tagccatgct tttaaaggta 500
gcaatgaatc gage 514

<210> 87
<211> 84
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 23

[illegible]

aaaaatcaga tgaattgata aaagagttcc ctgc 84

<213> Homo Sapien

<223> unknown base

tacctctgcc gctgtttcca tntgcgtagt aacacccc 588

<213> Homo Sapien

<223> unknown base

cagctgggtc agttggctct atcacatctc ccggcctcta gggttggctc 300

aggccacact cgcctctctc atagggctgg ccatccaacc atatcactcc 350
 tctcacggct ttttaaggata aagtttgaag ccttaaggat acgtcacagg 400
 tcctctaggg cctgcttacc tcagcttctg cctagaagtt tatgccccag 450
 aaacagtgaac acctccatgt ttaccctcac acaacctgtg tgtctcaaca 500
 ccatactttt gctcatactg g 521

<210> 90
 <211> 613
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 43, 120
 <223> unknown base

<400> 90
 tccgggcccc cggggacgct gtccctgaac ttgccgggga gcngcccccg 50
 gcgtcccgcg cgtccccgcg tccctggcaa ttcccgaact cccaacgggc 100
 tccctgctgg cagcccccg agccgcacca tgttccgcct ctggttgctg 150
 ctggccgggc tctgcggcct cctggcgtca agaccgggtt ttcaaaattc 200
 acttctacag atcgtaattc cagagaaaat ccaaacaata caaatgacag 250
 ttcagaaata gaatatgaac aaatatacta tattattcca atagatgaga 300
 aactgtacac tgtgccacct taaacaaaga tatttttttag cagataattt 350
 tatgatctat ttgtacaatc caaggatcta tgaatactta ttcttcagat 400
 attcagactc aatgctaact tcaaggaaat attgaaggat atccagattc 450
 catggtcaca ctcagcacgt gctctggact aagaggaata ctgcaatttg 500
 aaaatgtttc ttatggaatt gagcctctgg aatctgcagt tgaatttcag 550
 catgttcttt acaaattaaa gaatgaagac aatgatattg caatttttat 600
 tgacagaagc ctg 613

<210> 91
 <211> 445
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 24, 45, 68, 107, 113, 118, 405-406, 419
 <223> unknown base

<400> 91
 ttgagctcga tateccacag agcntccagc agaacgggtc ccttntacat 50
 cccacgttta cttcacnaa gagtgggttc ccaccagac ccccggaaca 100
 agccctntac ccnccgntt gccacagtc acatgtcccg gatgatcaac 150

aatacaagcg cagacgattt cagaaaacca agaaactgct gacaggagag 200
 acagaagcgg acccagaatg atcaagaggg ctgaggacta tgggcctgtg 250
 gaggtgatct cccattggca ccccaacatc accatcaaca tcgtggacga 300
 ccacacgccg tgggtgaagg gcagtgtgcc ccctcccctg gatcaatatg 350
 tgaagttcga cgccgtgagc ggtgactact atcccatcat ctacttcaat 400
 gactnntgga acctgcagna ggactagggc cccatcaacg agagc 445

<210> 92
 <211> 398
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 43, 63, 74, 113, 138, 148, 158, 178, 208, 252, 259, 262, 302,
 317, 346, 369, 371, 379
 <223> unknown base

<400> 92
 ccctgctgtc ttggggccct ggtttggtgc cctttgccaa aanagcggta 50
 ggtcccctgg acngaacc aaatnatcttc ccaagtgtct tcaaaaagat 100
 tttctgccaa ggnngccttc cgggtcgtat actacacnta cctgcganga 150
 gggatttntc agcttgtggg gcgggaantc ggccaccatg gtgtgcgtgg 200
 tgccctangc cgccatccag ttcagcgcac acgaggagta caagcgcac 250
 cngggcagnt antatggctt cggtggagaa gccctgcccc cttggccttg 300
 cnttttcgcc ggcgcantgg ctggaacgac agccgggttca ctgacntacc 350
 ccctggacct ggtcagagng nggatggcng taaccccgaa ggaaatgt 398

<210> 93
 <211> 117
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 34, 50, 57, 79, 113
 <223> unknown base

<400> 93
 aacttaatgc aaaggggtgtg agatgttccc ccngctgta aaatgaagg 50
 ctattgntat ttattgagct ttgtgggant ggtggaagca ggcccccatg 100
 gaccatgcc ccncct 117

<210> 94
 <211> 267
 <212> DNA
 <213> Homo Sapien

<220>

<221> unsure
<222> 34, 40, 75, 127, 153, 176, 183, 221
<223> unknown base

<400> 94
ggcagccgcg gcatgtctat agcaactttt ttantaccan ccaagtttgt 50
agaacattat ccaatatgtg gactntcaca atcattggga ttggaccgga 100
taagttaata aatttggcct tatttgnttg gaagtgatta taccgaagga 150
atnccaactg tgggttgtgt aaccgnccat ggnaattcta caatgaatte 200
cctgggcatg gccctggaac ntctcctaaa attctcagaa tgggtggcatg 250
aagctcaaaa aaatcac 267

<210> 95
<211> 149
<212> DNA
<213> Homo Sapien

<400> 95
gggttttttt tttttggtct ggctcttttc atttagctta atgttttcaa 50
ggttcatcta tgttgtatca cgtatcagta ctttattttt tgtgtggcac 100
gtcatatgga taccacacaa cccgtttatc ttttcattaa ttatgggcg 149

<210> 96
<211> 141
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 35
<223> unknown base

<400> 96
tttttttttt tttttttttt ttttgagacg gagtntcatt ctgtcgctcg 50
ggctggagtg cagtggcgcc atcttggctc actgcaacct ctgccgccag 100
gttcaagtga ttctcttgcc tcagcctcca gagtagccgg g 141

<210> 97
<211> 598
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 79, 82, 132, 146, 187, 317, 371, 380, 383, 386, 473, 503, 554
<223> unknown base

<400> 97
gtttttgtta cagtttttgc ccaccatggt tgcagttata atgatgagct 50
gcagtttttg gagaagattc aataaaaaant gntggaggat caagaagggt 100
ttgtgccccaa catgcagggt gaagggtgttt tntatgtgaa tgatgntttg 150
gagaaattga tgtttgagga attaaggaat gcctgtngag gtggtggtgt 200

tgggtggttcc tgccagccat gaaacagatt ggcaatgtgg cagccctgcc 250
 tgggaattggt catcgattta ttgggcttcc tgatgtccat tcaggatatg 300
 ggtttgctat tgggaanatg gcagcctttg atatgaatga ccctgaagca 350
 gtagtatccc caggtggtgt ngggtttgan atnaantgtg gtgtccgctt 400
 gctaagaacc aatttagatg aaagtgatgt ccagcctgtg aaggagcaaa 450
 ttgcccaagc tatgtttgac canattcctg ttgggggtggg gtcaaaaggt 500
 gtnatcccaa tgaatgccaa agaattggag gaggccttgg agatgggggt 550
 ggantggtcc ttaagagaag ggtatgcctg ggctgaagac aaggagcc 598

<210> 98

<211> 518

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 28, 67, 111, 147, 152, 175, 219, 221, 224, 244, 259, 272, 285,
307, 309, 326, 368, 395, 477

<223> unknown base

<400> 98

aattagaaaa ggaaggttta tttttaanat tcttcttcca attggtttaa 50
 tgggtgaatta atgaagnngg taagcaaaac caggtgcttg cgttgagggg 100
 tttgcagtgg ntgggaggac cccgggggttt ccccggtgtct tttccangaa 150
 tngttcggcc cttttggaat aaaanaccog cgagccccga gggcccagag 200
 gaggccgaag tgcccagant nctncggggg tcccggcccgc gagntttttt 250
 tttgccttng catttcctcc tngggcgttt tgganatgcc aggaataaaa 300
 aggatantna ctgttaccat tttggntttt tgttttccaa gccctgggaa 350
 tgcacaggca cagtgcanga atggctttga cctggattgc cagtnaggac 400
 agtgtttaga tattgatgaa tgccgaacca tccccgagge ctgccgagga 450
 gaaatgatgt gtgttaacca aaatggnggg tatttatgca tttcccggac 500
 aaaccctgtg tattgagg 518

<210> 99

<211> 439

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 39, 59, 104, 130, 146, 209, 221, 233, 248, 269, 284, 287, 290,
305, 360, 380, 386

<223> unknown base

<400> 99

ataccaagca ggcctttggc atcatgaacg agctgcggnt cagccagcag 50

tatttttttg ggcaccttg gttgttttgc tacctgccga gnttttgcac 300
ggatgctaaa actgtatgca atgttt 326

<210> 102
<211> 336
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 41, 127, 146, 178, 203, 220, 254, 267, 272, 320
<223> unknown base

<400> 102
tgttccctgg tggcagcgag gtgggcggcg gcggagggag ntggacccca 50
tggaagtccg cgggtgagtg agacccggcg cccacgggtca atccccgcaa 100
atttcctggg ccttccccga cggcctncct gcccttttgt tttaantttt 150
tattaaaatg cttaggatac agattgantt ttttttgtaa atgactgttt 200
tanttttcct gaagtaggan atatatgcac tttgataaaa cagaatgaga 250
agtnataatt catgggnatt cntatacaag gtgctgatcc tgtgtttgga 300
gctgagctcc tcacagcagn ttttttcagc tatttt 336

<210> 103
<211> 355
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 107, 145, 150, 168, 174, 185, 239, 254, 285, 295
<223> unknown base

<400> 103
tgccgcgttc atttttttng ccatttggca cattatagca tttgatgagc 50
tgaagactga ttacaagaat cctatagacc agtgtaatac cctgaatccc 100
cttgtantcc cagagtacct tatccacgct ttttttctgt gtcangtttn 150
tttgtgcagc agagtggntt acantgggtt tcaanatgcc ccttttggca 200
tatcatattt ggaggtatat gagtagacca gtgatggang ccccaggaat 250
ttangaccct acaaccatta tgaatgcaga tattntagca tattntcaga 300
aggaaggatg gtgcaaaata gctttttatt ttttagcatt tttttactac 350
ctata 355

<210> 104
<211> 453
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 43, 76, 166, 187, 203, 209, 251, 291, 326, 338, 341, 388, 398
<223> unknown base

<400> 104
cggtgggaat ttagtttttc caggatgtgg ttgccccttc cgntgtgggg 50
ggaaaggggc cccagaacc gaccanaccg tggcaagaga cccagaaccc 100
gaggacgaaa aattgtatga gaagaacca gattcccatg gttatgacaa 150
ggaccccgtt ttggangttt ggaacatgcy aattgtnttc tttctttggc 200
gtntccatna tcctggtcct tggcagcacc tttgtggcct atttgcctga 250
ntacaggatg aaagagtggc cccgccgcga agctgagagg nttgtgaaat 300
accgagaggc caatggcctt cccatnatgg aatccaantg ntttgacccc 350
agcaagatcc agctgccaga ggatgagtga ccagttgnta agtggggntc 400
aagaagcacc gccttcccca cccctgcct gccattttga ccttttttca 450
gag 453

<210> 105
<211> 449
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 23, 39, 72, 75, 123, 153, 164, 191, 227, 233, 251, 254, 314, 341,
353, 356, 365, 379, 434
<223> unknown base

<400> 105
aacttcggtg aggggtgccgt tanctgctgt tcctgcagng attatgggga 50
tttttttcgg gggtttgtgc gntangaatt tgaggccgac gccatttggc 100
gttcagagag acgcaacaag aanttgagga catggagaac gaattttact 150
atngctaccc aagnttcag gaagtgcag tgatgggttt ngtgggcttc 200
ggcttctca tgactttcct gcagcgnatc ggntttagcg ccgtgggctt 250
naanttcctg ttggcagcct tcggcatcca gtgggcgctg ctcatgcagg 300
gctggttcca cttnttaca gaccgctaca ttgttgtggg ngtggagaac 350
ctnatnaacg ctganttttg cgtggcctnt gtttgcgtgg cctttggggc 400
agttttgggt aaagtcagcc ccattcagct gctnatcatg acttttttc 449

<210> 106
<211> 394
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 74, 87, 114, 132, 136, 246, 340, 345, 349, 376
<223> unknown base

<400> 106
 ggggaacttg ggaggaacat gcaggagtgn atttgttttg gtggggggttt 50
 tcctggcctg gttcaggcct gccntgagcc ctgggantgt ggggaaaagt 100
 atggttttcca gatngccgac tgtgcctacc gngacntaga atccgtgccg 150
 cctggttccc ggccaatgtg aatacactga gcctgtcagc caaccggtgc 200
 caggcttgcc ggaggggtgcc ttcagggagg tgccctgct gcagtngctg 250
 tggctggcac acaatgagat ccgcacgggtg gccgccggag ccctggcctt 300
 tttgagccat ttcaagagcc tggacctcag ccacaatttn atttntgant 350
 ttgcctggag cgacctgcac aacctngttg ctgtccattt tgag 394

<210> 107
 <211> 525
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 10, 23, 41, 71, 95, 158, 166, 196, 361, 367, 414, 499
 <223> unknown base

<400> 107
 cccaagggtg cgaaatttgg aangttcata ggttcttcaa ngtccttcat 50
 tccctggtag acaaattcaa natcaaccga cagttggagg tatanacaag 100
 cggagggacc ctgagagtgt ggctggggag tatgggaggc attcctttta 150
 caaatgntt gggtanttca gcctggtcgg gtttttccgc ctgcantccc 200
 tgtaggaga ttactaccag gccatcaagg tgctggagaa catcgaactg 250
 aacaagaaga gtatgtattc ccgtgtgcca gagtgccagg tcaccacata 300
 ctattatggt gggtttgcat atttgatgat gcgttggtac caggatgcc 350
 tccgggtttt ngccaanac ctcctttaca tccagaggac caagagcatg 400
 ttccagagga ccangtaca gtatgagatg attaacaagc agaatgagca 450
 gatgcatgcg ctgctggcca ttgccctcac gatgtacccc atgcgtatng 500
 atgagagcat tcacctccag ctgcg 525

<210> 108
 <211> 498
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 12, 14, 135, 137, 165, 219, 309, 322, 334, 339, 341, 379, 386,
 405, 417, 423, 430, 466, 480
 <223> unknown base

<400> 108
 gacctatccc angngtccgg agatcatgag gatgtttttt aatggccggt 50

acatcctcct gctgatgggg ctgttttcag tgtacactgg cttcatttac 100
aacgatgctt ttcaaagtca gtcaacctgt tcggnntntgg gtggaacgtg 150
tcggccatgt acagntccag ccacccaccc gcagagcata agaagatggg 200
gcttttgaac gacagcgtng ttagacacaa cagcattttg cagctggatc 250
caagcattcc tggagtgttc cgaggccctt atccccctgg cattgaccc 300
atttggaant tggccacaaa tngcctcact tttntaaant ntttcaaat 350
gaaaatgtcc gtgatttttag gaatcattna tatgantttt ggagtcattt 400
tggnnatatt taaccanttg canttcaggn agaagttcaa catttacctg 450
gtttccatcc cggaantttt tttcatgctn tgtatttttg gataccta 498

<210> 109
<211> 573
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 74, 110, 139, 142, 213, 233, 276, 292, 320, 348, 405, 413, 418,
430, 448, 469, 490, 492, 500, 511, 545, 552
<223> unknown base

<400> 109
taaggccttc aggtcccctt ccttacccca ggtttttcac agaattggatt 50
cccagcggga aattgcagag gaantgcggc tttaccaatc cacccttttt 100
caggatggtn taaaagattt cctggatgag aaaaaattna tngattgcac 150
cctaaaagca gggacaaaag ttttccttgc cacagattga ttttgtcagc 200
ttgtagtcct tanttccggg agtacttttt atntgaaatt gatgaggcga 250
aaaaaaagga ggtagtgcta gacaangtgg atcctgctat anttgattta 300
atcatcaa atacctgtactn tgccagtatt gatctcaatg acggaaangt 350
gcaagatatt tttgcattgg ccagccgctt tcagatcccc tcagtgttta 400
ctgtntgcgt ttnttatntt cagaaaagan ttgctcctgg taactgtnta 450
gccatcctaa gattaggant tttttttgac tgcccgagan tngccatttn 500
tgcccgtgaa nttgtgtctg atcgctttgt acagatttgt aaggnagagg 550
antttatgca actgtttcca cag 573

<210> 110
<211> 530
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 58, 159, 163, 210, 224, 244, 278, 302, 351, 359, 361, 366, 395,
404, 415, 417, 454, 472, 481, 499
<223> unknown base

<400> 110
gcattatttg aatgcagcat ggcagctatt atcaccttaa ttgggagtga 50
tcccaggngg ggttctttat attcgttcat gtcgagtatt gatgctttct 100
gactggtaca cgatgcttta caaccaagt ccagattacg ttaccacagt 150
acactgtant cangaagcgt ttaccacta tataccattg tatttattta 200
ttacgcattn tgcttggtat taangatgct gctccgacct cttntggtga 250
agaagattgc atgtgggtta gggaaatntg atcgatttaa aagtatttat 300
gntgcacttt actttttccc aattttaacc gtgcttcagg cagttggtgg 350
nggcctttna naaaangcct tccatacat tatattagt ttatntttgg 400
ttantctggc tgtgnanatg tctgcttttg aaatagagaa ctgctatgat 450
tttntggtca gaaagaaaag anttattgtt nttttcagcc actggttant 500
tcatgcctat ggaataattt ccatttccag 530

<210> 111
<211> 356
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 42, 87, 99, 101, 286, 303, 329
<223> unknown base

<400> 111
ggtcactgtg agcaggtggt attnacagcc tgcagaccc tnacggccag 50
ccctgggggtg ttccccgtca ctgtacagcc accgcantgt gttcctgana 100
ngtacagcaa cgccacgctt tgggtacaaga ttttcacaac tgccagagat 150
gccaacacaa aatacgccca agattacaat cttttctggt gttataaggg 200
ggccattgga aaagtttatc atgctttaaa tcccaagctt acagtgattg 250
ttccagatga tgaccgttca ttaataaatt tgcantcat gcacaccagt 300
tanttccttt ttgtgatggt gataacaang ttttgctatg ctgttatcaa 350
gggcag 356

<210> 112
<211> 711
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 46, 73, 91, 128, 134, 145, 151, 192, 205, 216, 218, 239, 356,
386, 409, 415, 448, 471, 496, 506, 562, 568, 599, 671, 675, 684,
698
<223> unknown base

<400> 112

<211> 551
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 32, 58, 61, 85, 149, 169, 204, 255, 261, 300, 317, 324, 326, 329,
354, 397, 535
<223> unknown base

<400> 114
ccttgaaaat tatggtgtgg ccggaaccaa anaactttgc tttattgggg 50
actgggcntt naagtttcca ggggcacctt ttgngccag ccccatgcag 100
gggatttttg gaagtgtgca ggtgcctgta tggttcagta ccagaagtnt 150
tttgtggctt ttgaagttn aggcaaggcc tgggtgcca ggccggtgcc 200
cgcntggggg tcaagcggac cagttccatg gattccccag gaggtcccct 250
gccntcccc ntgttcaaag gaggggttgg cgggtgcagg gcaaccctn 300
gaaagcgggg tgtttnttt tttntngang ccttcgggt gaaaccctt 350
ttgntccata tgcctaaaa ttatttggga aggctgggga agtaggnttt 400
gggtccatgc cttaaattgt accgttttat tcctcaaggc ctatagcctg 450
tcaatccttg aagccttttt tgctgtccc tccgatcctt gtccaccgtt 500
tatttattgc ccaatttatt gtttatacgg atgantggga ggcaatgcac 550
c 551

<210> 115
<211> 404
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 51, 65, 87, 97, 117, 158, 180, 201, 203, 237, 291, 300, 309,
348, 381
<223> unknown base

<400> 115
gcagaggttg agcggcagaa anataaaacc cttgaaagt ccttccctgg 50
ntccagccat catentcatc ctccctgggg tcgtcangtt catggtntcc 100
ttcattggtg tgctggngtc cctcccgtga caacctgtac cttttcccaa 150
gcattcangt acatccttgg gatttgccn atcatggagc tcattggtgg 200
ngnggtggcc ttgaccttcc ggaaccagac cattganttc ctgaacgaca 250
acatttgaag aggaattgag aactactatg atgatttga nttcaaaaan 300
atcatggant ttgttcagaa aaagttcaag tgctgtggcg gggagganta 350
ccgagatttg agcaagaatc agtaccacga ntgcagtgcc cctggacccc 400
tggc 404

<210> 116
<211> 274
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 123, 129, 173, 186, 224, 267
<223> unknown base

<400> 116
gtcattttccc ccgcttttat atcctgtaca caattttcat gaaaggattg 50
cagatggttat gggctgatgc caaaaagggt agaagaataa agacaaatat 100
gtggaagcac aatataaagt ttnatcaant tccataccgg gagatggagc 150
at ttgagaca gttccgccaa gangtcacca agtgtntttt cctaggtatt 200
atttccattc caccttttgc caantacctg gtttttttgc taatgtacct 250
gtttcccagg caaatan tga tcag 274

<210> 117
<211> 502
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 29, 44, 55, 86, 114, 117, 157, 167, 197, 207, 236, 261, 275, 292,
300, 302, 317, 341, 343, 366, 373, 446, 452, 481, 497
<223> unknown base

<400> 117
gggtggaatc ccaatttttg gggggaagnt ttccggaggt tcanttaagg 50
gaagnaattt caaatgaaa attcaaagta gtgttngccc agagttgatt 100
gtggtcagca tttnganata gccagagat acaggataag caaatacca 150
aaccttnaaa ttgtttngta aatgggatga tgatgaagag agaatanagg 200
gttcagngat cagtgaagc attggcagat aacatnaggc aacaaaaaag 250
tgacccatt naagaaattc ggganttagc agaatcacc anttttgatn 300
gnagcaaaag aaatatnatt ggatattttg agcaaaagga ntnggacaac 350
tatagagttt ttgaangagt agngaattt ttgcatgatg actgtgcctt 400
tttttttgca tttggggatg tttcaaaacc ggaaagatat agtgngaca 450
anataattta caaacacca gggcattttg ntccggatat ggtgtanttg 500
gg 502

<210> 118
<211> 236
<212> DNA
<213> Homo Sapien

<220>

<221> unsure
<222> 34, 36, 93, 104, 147, 151
<223> unknown base

<400> 118
aaagcccaag ttaccagctg ttcaaaaaac agtngngatt tcagtttcac 50
gattgttgac cccgtgattt cccagtgct gaacattatg gtnattcaaa 100
cagnaacaga ccgacatata acattacatt gcctttcagt caatggntcg 150
ntgcccatac attacacttt ttttgaaaac catgttgcca tatcaccagg 200
tatttccaag tatgacaggg agcccgaacc ccttgc 236

<210> 119
<211> 204
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21, 33, 64, 129, 167, 172, 198
<223> unknown base

<400> 119
atatgcagag agactgggtg ntccgagctc cantcaggtg aaagaatttg 50
cggcaattgt tgangtgaaa ggagaatttc attacatttt ggatccaaag 100
caagcactga tgaagctcac cctaggtant gcaggcagtt tatttcccca 150
agcattgtac attttgnttg anttcatatg gagtttttta ttcaaaantt 200
cagc 204

<210> 120
<211> 438
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 32, 65, 92, 121, 142, 154, 170, 293, 315, 323
<223> unknown base

<400> 120
gttattgtga actttgtgga gatgggaggt cntggggctg tgttccatgg 50
cgagctggat accangtttg tgtggaagtg ccccggtgtt gntatgccga 100
tgctgtccta gtggaaacaa ntccactgta attagattga tntatgcact 150
tttnttgctt gttggagtan gtgtagcttg tgtaatgttg ataccaggaa 200
tggaagaaca actgaataag attcctggat tttgtgagaa tgagaaaggt 250
gttgccctt gtaacatttt ggttggtat aaagctgtat atngtttgtg 300
ctttggtttg gctangttct atnttcttct ctctttacta atgatcaaag 350
tgaagagtag cagtgatcct agagctgcag tgcacaatgg attttggttt 400
tttaaatttg ctgcagcaat tgcaattatt attggggc 438

<210> 121
<211> 229
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 58, 66, 71, 79, 92, 110, 116, 138, 162, 192, 207
<223> unknown base

<400> 121
tggagataag aggttacagc aaattacatg atgacctagg agagtttcca 50
tatggatngt ttgaanttgt ngctagtana aaatctttcc tntttttcac 100
tgacatgttn atttantgga ttcacagagg ccttcatnat agactgggtat 150
ataagcgcct anataaacct caccatattt ggagattcct antccatttg 200
caagtcentgc ttttcaccct attgatggc 229

<210> 122
<211> 273
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 34, 198, 202, 218, 230
<223> unknown base

<400> 122
tgcgcctggc ctgatgggtc antttttttt aaantttttt atcagtacaa 50
attatgggat aacatatgaa attttattat gtgtatgtaa tgcatagtga 100
taaagtcaag gtattttacgg tgtccataac ccaaatacaa tacatttttg 150
taactatagt caccctgctt ttttatcaaa cattgaattt attccttnta 200
tnttatttat gtgtgtantt ttttaacacan ttctcttcat cttcccttct 250
cctcccaatc acccttcccg tcc 273

<210> 123
<211> 376
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 61, 73, 130, 219, 343, 351
<223> unknown base

<400> 123
agaagggggg gtgaaagtgg ttgcccagta atggccagaa accaaccacc 50
agaggccagg ntgaaagaca agntccgggt gtcctggggc tgacggggcca 100
accatgtggc aggtcccagg cccacccan tgcgccatcc gcctttgagc 150
tccacagtgg tcccactaat gggaacctcc tttagggaga gtgatactgc 200

accttcaccc gtaggaatna tatttataac aatgtgtaat ggctgtagca 250
 aaaagccctt gtttttagat gtaaattggc aaagaaacaa gcgctttatt 300
 gttttgaata aaatagttca aatgagtcct gtatcattgt atntcctatt 350
 ntggattagt gccttttgga cgattg 376

<210> 124
 <211> 437
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 32, 53, 55, 69, 85, 124, 151, 175, 196, 225, 247, 253, 262, 266,
 275, 313, 316, 331, 334, 347, 349
 <223> unknown base

<400> 124
 atggaaaatt ttttttaggg gggggtgggt cntgagcgaa ggtgggcgga 50
 cgngnggggg attttttnt ggccctgttc cttcngagcg ttccgcggt 100
 gcccgctgg cccctacgga gtenttagcc aggatggagg ctgttgtaga 150
 nttgtaccaa gaggtgatga agcangcaga tccccggatc cagggntacc 200
 ctttgatggg gtcccccttg ctaangacct ccattttcct gacctangtg 250
 tantttgttt tntcanttgg gcctngcatc atggctaate ggaagccctt 300
 ccagctccgt ggnttnatga ttgtttacaa ntntcactg gtggcantnt 350
 ccctttacat tgtttatgag ttcttgatgt cgggctggct gagcacctat 400
 acctggcgct gtgacctgt ggaatattcc aacagcc 437

<210> 125
 <211> 441
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 23, 177, 227, 251, 367, 370
 <223> unknown base

<400> 125
 aagtagggaa gtgtatttcc agntacagat ttgatcccgt tggagtggat 50
 atcacttcga aaggaaaaat gagagcaaga tatgtgaatt acatcaaaac 100
 atcagagggt gtcagactgc cctatcctct ccaaatgaaa tcttcaggct 150
 cacttcttac ttatttaaaa gggaatngtg gggctggaca gactttctaa 200
 tgaacccaat gggttatgat atggttnttc ctttattgat atttgtgctt 250
 ntgcctaaag tgggtcaacac aagtgatect gacatgagac gggaaatgga 300
 gcagtcaatg aatatgctga attccaacca tgagttgcct gatgtttctg 350
 agttcatgac aagactnttn tcttcaaaat catttggcaa atttagcagc 400

ggcagcagta aaacaggcaa aagtggggct ggcaaaagga g 441

<210> 126
<211> 397
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 84, 86, 96, 101, 112, 153, 220, 225, 297
<223> unknown base

<400> 126
ctttccccct ggcggtgaga gtgcagagac gaagtgcgag atgagcatta 50
tgttcgcgga catctcctca tcgtttttat ctcnngtgc acggtntgtt 100
ngcagagggc anaacctggg tcctggttta caggacagac aagtacaaga 150
gantgaaggc agaagtggaa aaacagagta aaaaattgga aaagaagaag 200
gaaacaataa cagagtcagn tggtnacaa cagaaaaaga aaatagagag 250
acaagaagag aaactgaaga ataacaacag agatttatca atggttngaa 300
tgaaatccat gtttggtatt ggcttttgtt ttactgccct aatgggaatg 350
ttcaattcca tatttgatgg tagagtgggtg gcaaagcttc cttttac 397

<210> 127
<211> 179
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 67, 70, 95, 114, 170, 179
<223> unknown base

<400> 127
atTTTTTTtag tatatccaca gagttgtgca accatcaatt ttagaacatt 50
ttcatcaciaa atTTTngcn tgtaatagtt tcctagagct gttntttaac 100
gaagtaccac aagntgggtg gcttaagaca acagaaatgt attcctggcc 150
gggtgcagtg gctcacgcn gtaatcccn 179

<210> 128
<211> 561
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25, 37, 57, 82, 119, 150, 174, 184, 202, 217, 225, 303, 332, 354,
375, 429, 443, 490, 509, 523, 527, 547
<223> unknown base

<400> 128
atttcccttc cttttttccc gccngtatt ttttttnaac ctttttccca 50
cctttgnttg ggtagccatg gggggagccg tngggggcaa tcagtcccat 100

tccatttccct tgttgccent tgggagccga gccgttccgc gcccgggtggn 150
 ggcgggagcc caggagcctg ccengcctgg ggangaagag tgcagttctt 200
 cntggcggtg cacgatntga ttttntggag agatgtgaag aagactgggt 250
 ttgttttttg caccacgctg atcatgctgc tttccctggc agctttcagt 300
 gtnatcagtg tggtttctta cctcatcctg gnttttctct ctgtcaccat 350
 cagnttcagg atttacaagt ccgtnatcca agctgtacag aagtcagaag 400
 aaggccatcc attcaaagcc tacctggang tagacattaa ttntgtcctc 450
 agaagctttc cataattaca tgaatgctgc catggtgcan atcaacaggg 500
 ccctgaaant cattatttgt ctntttntgg tagaagattt ggttgantcc 550
 ttgaagctgg c 561

<210> 129
 <211> 526
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 57, 59, 68, 174, 185, 332, 343, 366, 369, 375, 388, 405, 465,
 492
 <223> unknown base

<400> 129
 tgttcctcaa tccaatttcc ggattttaga atgcccgtaa aaaatttata 50
 attttantnt caagaaanat tttaccaggg gcaattgtaa aggttttatt 100
 aatttttaac ctttggcctt tttttttaag taaggcaatt aatataaatg 150
 taaaatatac aatattaaca aacntgggtt ccagnttgta catttagtaa 200
 atatttaata ttaattacga gttattgagg tttaaagtag gctgtgcatg 250
 tgtaattata ttttattatg ttcagttttc catggcaatt gcctagtttt 300
 taaagtttat tataatcctt atgtttgtga tnttttttca tantttatta 350
 tttacaggag tccagntant tgctntttta gttcccantt tgatatttta 400
 cctgntggat gaaaattttt ttgcctcagc aagttcagct tccaaagatt 450
 ttcagtgagtt tgcantccag aatttaatgc atattggacc tntgtatcca 500
 catgctttca agacagtaat gggggc 526

<210> 130
 <211> 429
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 267, 330
 <223> unknown base

<400> 130
aaataaattt ttcatcccat tatgcatttt gtttgtaa at gtaaatttta 50
aaaatatggt taataacatt tcaacctgtt tattacaact taaaaggaat 100
tcagtgaatt tgtttttatt ttttaacaag atttgtgaac tgaatatcat 150
gaaccatggt ttgatacccc tttttcacgt tgtgccaacg gaatagggtg 200
tttgatattt tttcatatgt taaggagatg cttcaaaatg tcaattgctt 250
taaacttaaa ttacctntca agagaccaag gtacatttac ctcatgtgt 300
atataatggt taatatgtgt cagagcattt tccaggtttg cagttttatt 350
tctataaagt atgggtatta tgttgctcag ttactcaa at ggtactgtat 400
tgtttatatt tgtaccccaa ataacatcg 429

<210> 131
<211> 372
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 126, 261, 347
<223> unknown base

<400> 131
gggggggggtg aaagtggctg ccagtaatgg ccagaaacca accaccagag 50
gccaggctga aagacaagct ccgggtgtcc aggggctgac gggccaacca 100
tgtggcaggt cccaggcccc acccantgcg ccatccgcct ttgagctcca 150
cagtgggtccc actaatggga acctccttta gggagagtga tactgcacct 200
tcacccgtag gactcatatt tataacaatg tgtaatggct gtagcaaaaa 250
gcccttgttt ntagatgtaa atgggtcaaag aaacaagcgc tttattgttt 300
tgaataaaat agttcaa atg agtcctgtat cattgtatct cctattntgg 350
attagtgcct tttggacgat tg 372

<210> 132
<211> 252
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 33, 37, 58, 95, 154, 204
<223> unknown base

<400> 132
ggatatcttt ttccatccct ttattttcag tcnatgngtg tctttatagg 50
tgaaatgngt ttcttgtggg caacagatca atgggtcttg ttttnacatc 100
tattcagcca gtctatgtct tttgtttgga gagtttagtc gatttatggt 150

caangttatt attgataagt aatgatttct cccagttttt tttctggttg 200
tttngtggtc ttctcttctt tctttctttc tttctttcct tcccgtccc 250
ag 252

<210> 133
<211> 139
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 57, 118
<223> unknown base

<400> 133
gtatgtacat gtgtatggtg tgtgcatgta ggtgtggtgt gcgtgtgcgt 50
ggtgtgngtg catgtgtatg tgtgtggcat gtatgtgtac ggtatgtata 100
tgtgtggtgt gtgtgcangt gtgtgtatgt gtgtttttg 139

<210> 134
<211> 366
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 127, 187, 366
<223> unknown base

<400> 134
ggggaaaaat atctgttaca aatttataat ttcaagacaa attgaatctt 50
attttataat acttttggaa tttcattaat aaggctaaaa tttgaggaat 100
ataaataatt ttcagcctta agacatntaa gtttgggaagt ccttgctatt 150
caacagaata acaagaaaac ttcagaatgt atcactntcc tgaaaagaag 200
atattaataa gcccttttat ttatgggttat agttttatatt atagtctcaa 250
aattcctaaa gcaatgctac aaccattgaa tttgccatat tttgtatcag 300
tgctgttaat ttgctgttgc ctcaagaaaa agtgcttttt ctccatggat 350
gaggctagac cctcgn 366

<210> 135
<211> 179
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 59, 158
<223> unknown base

<400> 135
aggggggttct tgacattttg ttcaaatact ngtaacaatc tgtcttttagc 50
tttattttnt gagaaactga gcaaacctgt ttccattgcc ttcttagaag 100

ggttcatgta tatagcacta cagaagcata atgaagtttc tcagctccca 150
aaattatngt tattatactg ctattatac 179

<210> 136
<211> 483
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 39, 54
<223> unknown base

<400> 136
tattcgcgat tgactcctct tnctaagtgt cgcgccccnt ttagagcagc 50
gatntaagag agccgtcccg gtgtcctcgg gtcccagtga ttgtgaagtg 100
ctgccaatg ccaactggaca tacttgaaac aaaataggaa aatggcagca 150
aactcttcag gacaaggttt tcaaaacaaa aatagagttg caatcttggc 200
agaactggac aaagagaaaa gaaaactact tatgcagaac cagtcttcaa 250
caaactcatcc tggagctagc attgcactct cgagaccctc tcttaataag 300
gacttccggg atcacgctga gcagcagcat attgcagccc aacagaaggc 350
agctttgcag catgctcatg cacattcatc tggatacttc atcactcaag 400
actctgcatt tgggaacctt attcttcctg ttttacctcg ccttgacca 450
gaatgaagaa aacatttgcg atggaaaagt gac 483

<210> 137
<211> 598
<212> DNA
<213> Homo Sapien

<400> 137
cttgagcgag ccagttgccg gattattcta tttcccctcc ctctctcccg 50
ccccgtatct cttttcaccc ttctcccacc ctgctcgcg tagccatggc 100
ggagccgtcg gcgccactc agtcccattc catctcctcg tcgtccttcg 150
gagccgagcc gtccgcgccc ggccggcgccg ggagcccagg agcctgcccc 200
gccctgggga cgaagagctg cagctcctcc tgtgcggtgc acgatctgat 250
tttctggaga gatgtgaaga agactgggtt tgtctttggc accacgctga 300
tcatgctgct ttccctggca gctttcagtg tcatcagtg ggtttcttac 350
ctcatcctgg ctcttctctc tgtcaccatc agcttcagga tctacaagtc 400
cgatcatcaa gctgtacaga agtcagaaga aggccatcca ttcaaagcct 450
acctggacgt agacattact ctgtcctcag aagctttcca taattacatg 500
aatgctgcca tgggtgcacat caacagggcc ctgaaactca ttattcgtct 550

ctttctggta gaagatctgg ttgactcctt gaagctggct gtcttcat 598

<210> 138

<211> 320

<212> DNA

<213> Homo Sapien

<400> 138

ccttagcaga catgcaaaag cttattcttg tgtgacttac tttctttaag 50

ctaataatat aaaaataaat atgtatctta aaaatctata ataaaacatt 100

agaaattaaa gatatgtgct ttttattttg cagatgagtt catttgcttt 150

tgtagatgtg ttttcagagc taggtacaga ggaatgtttg ctacctttag 200

cggtgaaaaa agaaagagag tcaagaattt tgttggattg tgtttgtgtg 250

tgcatatatt tgatatcatc attatatttg taatctttgg acttgtaatc 300

atagcctggt tattctactg 320

<210> 139

<211> 497

<212> DNA

<213> Homo Sapien

<400> 139

cggacgcgtg ggctgcttgc cgcctctttt ggatacctaa cattttacga 50

acatgttgag tcagaattgc ttcataccta ctcttctatc ttgggaactg 100

atattcttct tctcattgtc cgtctggctg tgttaatggc tgtgacctg 150

acagtaccag tagttatttt cccaatccgg agttctgtaa ctcaattggt 200

gtgtgcatca aaagatttca gttggtggcg tcatagtctc attacagtgt 250

ctatcttggc atttaccaat ttacttgtca tctttgtccc aactattagg 300

gatatctttg gttttattgg tgcactctgca gcttctatgt tgatttttat 350

tcttccttct gccttctata tcaagttggg gaagaaagaa cctatgaaat 400

ctgtacaaaa gattggggct ttgttcttcc tgtaagtgg tgtactgggtg 450

atgaccggaa gcatggcctt gattgttttg gattgggtac acaatgc 497

<210> 140

<211> 105

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 11

<223> unknown base

<400> 140

acttcaatgt ntacacatgg ccattgaaaa atacagagtt tacagaatta 50

tttcagagaa gtcattaaag aaacaaacat taacacaccc tgcagagtgg 100

gggag 105

<210> 141
<211> 473
<212> DNA
<213> Homo Sapien

<400> 141
tccccgctgc tgacgcttca tccccacac ctccagcccc agttacctgg 50
agcttctcag aaccacttt gccggtgcta aaacacaaga gggggtgaaa 100
gtggctgcca gtaatggcca gaaaccaacc accagaggcc aggctgaaag 150
acaagctccg ggtgtccagg ggctgacggg ccaaccatgt ggcaggctccc 200
aggccccacc cactgcgcca tccgcctctg agctccacag tggteccact 250
aatgggaacc tcctctaggg agagtgtatc tgcaccttca cccgtaggac 300
tcatatttat aacaatgtgt aatggctgta gcaaaaagcc cttgtttcta 350
gatgtaaag gtcaaagaaa caagcgctct attgttttga ataaaatagt 400
tcaaagtagt cctgtatcat tgtatctcct attctggatt agtgcctttt 450
ggacagtaga ctgttctgta aaa 473

<210> 142
<211> 578
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 60, 105, 110
<223> unknown base

<400> 142
tccatgtgaa ttttgcttaa tggaatgctt tatttaagca tttaggcaga 50
gttgacacan ttaaaggtag aaagcccaga ggaattggta gagcagcacc 100
gtgcntgccn tgaggcagtg gagtcagtag cgttggtcccc agggccttga 150
gtgcctggag gtgcttggcc tccagtagct gcctccattc tcttttaaaa 200
aaaggggggtg attctgaggc actgaagtgc ctcccagatg tggaggagtg 250
aagccaccat cgaggccaca ctgagcactc caggatccca gcgatgtcag 300
acactcttga gttgtcaaaa cgtaattttt cagtttttaa taatcagttt 350
atctaagaaa aggggaatttt aacttttcta ccttgagcca agccaatgaa 400
gggaaaatta attacttag taaatttgaa gtgcagctct gttagctcgt 450
acatgtgggt tcttatcctg atcctgtgcc ttaaagtagg aaggtgtttc 500
caagttcaga ttaaaataga agcagctggc cgggtgagggt ggctcacgcc 550
tgtaatccca gcactttggg aggccgag 578

<210> 143
<211> 1000

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 64
<223> unknown base

<400> 143
caagagtctc gctccagcct ggtgatagag caagactccg tctaaaaaaa 50
aaaccaggag tganaaaaat aagagtcatt gaacttcatt tttttaaaaa 100
agaatatcac tttgctgtcc tttcaaatat agcatttccc caattaggta 150
cctgtttatt gagattttat aatgtaggta aatttttaaat cagtttttaa 200
ttgataccta attaacctcg agctcttgct ctctgcctt ttttcacttc 250
tttactcttg cagcattcct tcttagtacc ttctgtatgt acactacgtt 300
gatagccatg actggatggg atatggacag gacttccatt gctgtgctgg 350
gagtagcagc tggggctatc ttaggctggc cattcagtgc agctcttggt 400
ttaccatttg cctttgattt gctggctcatg aaacacaggt ggaagagttt 450
ctttcattgg tcgctgatgg ccttcatact atttctgggtg cctgtgggtgg 500
tcattgacag ctactattat gggaaagtgt gtgattgcac cactcaacat 550
tgttttgtat aatgtcttta ctctcatgg acctgatctt tatggtacag 600
aaccctggta tttctattta attaatggat ttctcaattt caatgtagcc 650
tttgctttgg ctctcctagt cctaccactg acttctctta tggaatacct 700
gctgcagaga tttcatgttc agaatttagg ccacccgtat tggcttacct 750
tggctccaat gtatatattg tttataattt tcttcatcca gcctcacaaa 800
gatgagagat ttcttttccc tgtgtatcca cttatatgtc tctgtggcgc 850
tgtggctctc tctgcacttc agaaatgtta ccactttgtg tttcaacgat 900
atcgcttggg gcactatact gtgacatcga attggctggc attaggaact 950
gtcttcctgt ttgggctctt gtcattttct cgctctgtgg cactgttcag 1000

<210> 144
<211> 612
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 49, 66, 73, 81, 91, 217, 318, 447
<223> unknown base

<400> 144
aattgtagt cctgtttctt ttcattgggtt tctggctcgt cttatttgnt 50
cttcagattt actccntatt tcnagtactt ngagatcagc ntgcataacg 100

tgagagggttt cttttccttt ttctgacaag tattgcggaa tgttgcagca 150
 actccttact ctcttttggg ttgtgtcttc acggtttctt ttgttgcctt 200
 ggggtgttctc aacactntgc aagttttact tgcagggtta tgcagcttct 250
 atgaatgatc ctgccatgaa tcggggcatg acagaaggag taacgctgtt 300
 aatcctggca gtgcagantg ggctgataga actgcagggtt gttcatcggg 350
 cattcttgct cagtattatc cttttcattg tcgtagcttc taccctacag 400
 tctatgttag aaattgcaga tcctattgtt ttggcactgg gagcatntag 450
 agacaagagc ttgtggaaac acttccgtgc tgtaagcctt tgtttatatt 500
 tattgggtatt cctgtcttat atggcttata tgatttgcca gtttttccac 550
 atggattttt ggcttcttat cattatttcc agcagcattc ttacctctct 600
 tcagggttctg gg 612

<210> 145
 <211> 439
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 116, 156, 247, 252, 277, 279, 292, 301, 314, 338, 356
 <223> unknown base

<400> 145
 aaaaaaaaa accaaaacca aaaaccagaa cgcttggtca agtttgtcct 50
 gtcctgtcca tggataggcc agaccttgg tccagaaatt cagtttttca 100
 ttgtgtctga catagngact ccataatgtt ggttccattc tcttttcttc 150
 ctcaanatca tgtgttttgt ggggtcttgt tttgttttgt tttgttttgt 200
 tttgttttgt ttttggtaga gttggagtct tgctgtgttg cccaagntga 250
 tntccaattc ctgacctcaa acaggtnntnt caccttggcc tnccaaagtg 300
 ntgggaattc agngtgaac cacctcacc agccaagntc acattttgaa 350
 tctaantttt tttttgaaac agtgtcttgc attgttgccc aggctggaat 400
 gcagtgggtgc catcatggct cactgcagcc tcaacttcc 439

<210> 146
 <211> 479
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 142
 <223> unknown base
 <400> 146
 ggcagtctcc tagctgtctt tacacactgc atagctgtgt gtgagtactc 50

ttttcatcca tcagtcagcc agggtttgca ggacagatcc ggcaagtgg 100
gccctgtatg aggaatgctg caacggatct ggactgaacc cntcaaaaat 150
aaagtgattg ctgagtcctc tttggatttc tgcgcgacat atgaaacccat 200
accatggcat ggctggaacc caacccggta ccaaaaataa aggaaatgac 250
cctgcaggac ctgcagcccc aaaacgatgc ggcttcctcg gacgacacag 300
gccccggaca ttatgctgaa gaagacaact caggaagctg agcaaaccct 350
gctccagaca caaacacccat tcaactccaga taatctgttc cttgctatgc 400
cctccgttgt acattgcaac actcacaggg tattggtttt tcttattctc 450
tcaactctgcc tgcaactcgt acctgctac 479

<210> 147
<211> 276
<212> DNA
<213> Homo Sapien

<400> 147
tttttttttt gtgttgtcta taggaattaa cttgggattg ttttgtgggt 50
ttttgtttgt tttaaagtga aattgagaat cttttataag aaataaaaagc 100
attattgggt gcctttgttt gtaaaccaaa aagtaataaa tgaatcccta 150
tatttccatt atagtattta ttgtattttt atgttctgaa aattacccat 200
ggaacaatat gcttaggatt acaggaagca gtccttactt acacttcttg 250
tctgttttag gtgtacttgt taattc 276

<210> 148
<211> 451
<212> DNA
<213> Homo Sapien

<400> 148
gttgataact aatcaaccat tctgcaacct gcttttctga tttaatctag 50
aacaacctca ttcttgtgta tagtacacct cacaccacta tattggcttg 100
gtataataac tttccaactg gcttttgtct cagccatggg cagtttcttt 150
tctgaccatc catctggcct caggttcccc tggagtcttc ctttctccag 200
cagtccttct ctgtctttgt atatctccag gcttttagcaa tacgctcact 250
ctatttttct ttttttgatt tcaactttta aattaaagta ttgtaaaact 300
ggcttttttg tgcacagttt tgagaatttc agtacatgaa cacatttgtg 350
ttcccaccac cacaatcaag acagagggcc gttttattgt ccccaaagct 400
ccacatgcta tcctttcagg tctacttcct ttttactgtt tttgtaatca 450
c 451

<210> 149
<211> 268

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 167, 213
<223> unknown base

<400> 149
agaataattt tttaaacaca aattcaccat gtttctctac taacttggaa 50
tgcttaatgt gttccattg tacctagaat aaatccaaac ttactttcca 100
gggtctgctc tccaagctgt acatgacctg gcccatagcc acctttctaa 150
actcgtcaca tccattntcc tcattgctca tgggtgctgtg gacagtctgg 200
ttcctttctg ttntttctcca ctaccaagct cattcacact gcccttttcc 250
caaggccctt ccctacac 268

<210> 150
<211> 749
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 72, 99, 114, 127, 132, 222, 373
<223> unknown base

<400> 150
gtaggtagg gtccttaaag gaacttactt tggatttatt ggcaaaatta 50
ttgtgggcac cttaccatt gngaaattat ttttagaggc ttgtaaaant 100
ttaaagttta gatnttattt gccttgntaa tntatttaac tttatggaaa 150
gtatttactg cttctgatca ggattttttg tttgctgtca aagtaaaagt 200
cactaccagt gtcactattt gntatggaag ccacaaacct tgtagtcatt 250
tcttaattat tttctttctt ttatttttcc attccacat tcccttctca 300
tcccctttta attcattagc aagtatgctg ccagttctgc ttagtccgtc 350
tctctccctc cactggtaaa cntagccca aaccatcttc atctcttatt 400
tgtactaacg caagagcccc ttaactggta tccctccttc catttcttga 450
tctactaaaa tccatagcc acatagtggc tagaataatt ttttaaacac 500
aaattcacca tgtttctcta ctaacttggc atgcttaatg tgttccatt 550
gtacctagaa taaatccaaa cttactttcc aggtctgct ctccaagctg 600
tacatgacct ggcccatagc cacctttcta aactcgtcac atccattctc 650
ctcattgctc atgggtgctg ggacagtctg gttcctttct gttcttctcc 700
actaccaagc tcattcacac tgcccctttt ccaaggccct tccctacac 749

<210> 151
<211> 105

<212> DNA
<213> Homo Sapien

<400> 151
ttttgtcatt ttgaaatttt tttttttttc accagccctg aatttttagtt 50
catccatgga taaactatta cttttcttat ttttctttaa ctatacaatt 100
aagac 105

<210> 152
<211> 631
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 17, 77, 95, 135, 166, 178
<223> unknown base

<400> 152
tccttggaac atttttntag ggatatttcc atttgacttt attagattaa 50
tgaaattggg aaacctggac gtatatntaa actatacttt ttgantatga 100
gcataacctt ttatttcctg tatttttagaa aaagngacca tggtgtgatg 150
gcaatcattg tgcttntgca taccagntg aatgtctgtg gaaactcagt 200
tattctttta aatagttatt atcagagata taattattta caaagtagtt 250
tttttgtttg taggtaaact attatagatt ttgctgttct cccaactggt 300
ttcttggtgt atattttgaa aatataaacc ttaaatgtta gaacaaagaa 350
aacaaaagca aaaccogaaa accttaactg tgcttgtaaa catttaaaat 400
atttttgtta gtttctctca attgagtaag agaacctggc tttcccacag 450
caatgatecca ggctttggta atacccccct ttatgtctct gtacttctgc 500
cattctaaag ttgatttatt gtttgttact tttagtgatt ttaagtgtc 550
aatgaagttc cttggcttct tcatggcttt tcatttccaa ctaaattacc 600
tagcctttct tttaatgtct tccaccctta c 631

<210> 153
<211> 522
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 44, 57, 65, 173, 183
<223> unknown base

<400> 153
tatttaaagc aatcttagtg gtataccccg cccctttgcc ttanttaaga 50
ggagcantga aatgnatata cttgctgttc agtatttcca agtaccatt 100
tttatatagt agcttatttg accataagtc acacatcaaa aaaagattac 150

ttttttatca ttttgaactt tatgganaaa ttgggcagcc aaaacgcttc 50
 ccggggaagg ngccagcgaa gaatgcatcc taacgttagt naaggntgcc 100
 aaggaggntg tgcaacatgn tcagattaca atggatgttt gtcattgtaag 150
 ccagantat tttttgtttc tggaaagaat tggcatgaag cagattggag 200
 tatgtctctc ttcattgtcca agtggatatt atggaactcg atatccagat 250
 ataaataagt gtacaaaatg caaagctgac tgtgatacct gtttcaacaa 300
 aaatttctgc acaaaatgta aaagtggatt ttacttacac cttggaaagt 350
 gccttgacaa ttgcccagaa ggggttggag ccaacaacca tantatggag 400
 tgtgtcagta ttgtgcactg tgaggtcagt gaatggaatc cttggagtc 450
 atgcacgaag aagggaacaa catgtggntt caaaagaggg actgaaacac 500
 ggggccgaga aataatacag catccttcag caaagggtaa cctatgtccc 550
 ccaacaaa 558

<210> 156
 <211> 695
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 4, 6, 29, 42, 55, 57, 70, 92, 115, 118-119, 585
 <223> unknown base

<400> 156
 atcnangtgg atgcagtctt cattgacana agtaacctgg anatcactcc 50
 ggacnanccc cgctggatcn gagcctgggtg ggggtggcttt cngctctgcg 100
 gtgccttaca cttctcnnnt tccctcttga tgtttgggtt tccacagtcc 150
 ctgccccgc actcagaccc cgccatggaa agcgagcagg ccatgctctc 200
 cgaaagagaa tacgagagac ccaagcccag caacgggggc ctgaggcacc 250
 ccctggagcc agacagcagt gcctcctgtt tccagcagct gagagtgatc 300
 ccgaaggtea ccaagcacct gctctcaaac cctgtgttca cctgcatcat 350
 cctggccgcc tgcattggaga ttgcagtggg ggctggcttc gctgcctttt 400
 tggggaagta cctggagcag cagtttaacc tcaccacctc ttctgccaac 450
 cagctgcttg ggatgactgc gatcccgtgt gcttgtctgg gtatcttcct 500
 gggagggtctt ttgggtgaaga agctcagcct gtctgccctg ggggccattc 550
 ggatggccat gctcgtcaac ctgggtgtcca ctgcntgcta cgtctccttc 600
 ctcttcctgg gctgcgacac tggccctgtg gctgggggtta ctgttcccta 650
 tggaaacagc acagcacctg gctcagccct ggaccctac tcgcc 695

<210> 157

<211> 574
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 53, 66, 73, 85, 90, 124, 216, 429, 444, 474
<223> unknown base

<400> 157
tggaaagcca ttaaaggaat ttaaagttat ttacctgca gacctgaaaa 50
atntatagaa ctgttnacat atntttgtat atctnttcan taggtgaact 100
tttcatgggc taaacagtac attngagtga aattctgaag aaacatttta 150
aggaaaaaca gtggaaaagt atattaatct ggaatcagtg aagaaaccaa 200
gaccaacacc tcttantcat tattccttta catgcagaat agaggcattt 250
atgcaaattg aactgcaggt ttttcagcat atacacaatg tcttgtgcaa 300
cagaaaaaca tgttggggaa atattcctca gtggagagtc gttctcatgc 350
tgacggggag aacgaaagt acagggggtt cctcataagt tttgtatgaa 400
atatctctac aaacctcaat tagttatant gtacactttc attntcatca 450
acactgagac tatcctgtct cacntacaaa tgtggaaact ttacattggt 500
cgatTTTTCA gcagactttg ttttattaaa tttctattag tgttaagaat 550
gctaaattta tgtttcaatt ttat 574

<210> 158
<211> 779
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 58
<223> unknown base

<400> 158
ctaattttat caaaggccnt ttttcccaaa gccatccatc atcccattat 50
taatctgnac tgttgcaaca tggctattgt ctgaaatttt atgagttact 100
atcctgggat ttccctttat ctttctgtat tagaccttct gtttcttgga 150
acctatgtca tccatcttga tgtactccct tattttgata gtgtatatcc 200
tttagtggct tcctaagaaa aagtgcatag atagtaaaat tttgagacct 250
tgcataagctg atagttttat tctaattctca ctcttggttg attagtttaa 300
cagggtagaa aatttcaggt tgaataccag ttttcttcag tatttgaagg 350
tgttatttta ttgatttcga actttcaaca ttgctgttga aatctgaagt 400
tattctgatt ctgatctttt gtatataagt ctttatgacc tctaaaagtt 450
ttcagaattc tgtttggtta tgggaattctg aaagttgatg atgtaccata 500

gtggaatact ttacatttta ttgtactggg tattccaaag gcccttttta 550
 tccaaaaact catgtctttt agtgctggaa atttttcttt tggtattttc 600
 atatttttct tccccctttt tctcttttcg ctttctggaa tgctgttg 650
 tcaaagtca gattttctga ctcatctat acaattagaa agcacacca 700
 agtttcaactg tggaactact ccagtggagc cttcagtggt gtcattctctg 750
 ggagagata ctatagattt actgctaag 779

<210> 159
 <211> 358
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 39, 60, 91
 <223> unknown base

<400> 159
 tcaggatgtt cttaattggg gaagaaatca ttttttcctt acaaaaaacc 50
 aagcatttcn tggggccgga ttacttgaa acattgtact naccagagg 100
 agaggaaatt accacgaaac ctgagaacat ggaacactgt tactataaag 150
 gaaacatcct aaatgaaaag aattctgttg ccagcatcag tacttgtgac 200
 gggttgagag gatacttcac acatcatcac caaagatacc agataaaaacc 250
 tctgaaaagc acagacgaga aagaacatgc cgtctttaca tctaaccagg 300
 aggaacaaga cccagctaac cacacatgtg gtgtgaagag cactgacggg 350
 aaacaagg 358

<210> 160
 <211> 362
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 55
 <223> unknown base

<400> 160
 atgctgcgtg ggatctccca gntacctgca gtggccacca tgtcttgggt 50
 cctgntgcct gtactttggc tcattgttca aactcaagca atagccataa 100
 agcaaaccac tgaattaacg ctccatgaaa tagtttgtcc taaaaaactt 150
 cacattttac acaaaagaga gatcaagaac aaccagacag aaaagcatgg 200
 caaagaggaa aggtatgaac ctgaagttca atatcagatg atcttaaatg 250
 gagaagaaat cattctctcc ctacaaaaaa ccaagcacct cctggggcca 300
 gactacactg aaacattgta ctcaccaga ggagaggaaa ttaccacgaa 350

acctgagaac at 362

<210> 161
<211> 479
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 160
<223> unknown base

<400> 161
gtttgggcta acaggatctc ctcttgcagt ctgcagccca ggacgctgat 50
tccagcagcg ccttaccgcg cagcccgaag attcactatg gtgaaaatcg 100
ccttcaatac ccctaccgcc gtgcaaaagg aggaggcgcg gcaagacgtg 150
gaggccctcn tgagccgcac ggtcagaact cagatactga ccggcaagga 200
gctccgagtt gccacccagg aaaaaaaggg ctccctctggg agatgtatgc 250
ttactctctt aggcctttca ttcatcttgg caggacttat tgttggtgga 300
gcctgcattt acaagtactt catgcccagg agcaccattt accgtggaga 350
gatgtgcttt tttgattctg aggatcctgc aaattccctt cgtggaggag 400
agcctaactt cctgcctgtg actgaggagg ctgacattcg tgaggatgac 450
aacattgcaa tcattgatgc gcctgtccc 479

<210> 162
<211> 307
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 65, 204
<223> unknown base

<400> 162
tgtcacaggt gggaaagaaa cggactgtgg gccctctctt ggattagcgg 50
cgggcatacc attgntgggtg gccacagccc tgctggtggc tttactatct 100
actttgattc accgaagaag aagcagcatt gaggccatgg aggaaagtga 150
cagaccatgt gaaatttcag aaattgatga caatcccaag atatctgaga 200
atcntaggag atcacccaca catgagaaga atacgatggg agcacaagag 250
gccacatat atgtgaagac tgtagcagga agcgaggaac ctgtgcatga 300
ccgttac 307

<210> 163
<211> 502
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 188
<223> unknown base

<400> 163
tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tataggcttt 50
aaaatgtata tgtcttgcca tactgaaccc atgttgaagc catatttcca 100
cagggtaata gctggcagaa ctgagttaag ggttgcccct tttagatgag 150
gcatatgctc tcccatcctc cacagttcac actatgcntg cttatctctt 200
actgatatta gatattagta atagtcacat ttatgcattg tctttattta 250
aaaaaatagt tctctttttt atgacagtag caatagttag aatatgaaag 300
agagaagagg atttattcctt gccctactca attccttgat atcatctgcc 350
tggtaatgag gtgttgaggc tggctaatac tgacttatga gagcatattg 400
ttaaatattc aggaatttta ccagcagcaa ccaccattgg tagattggaa 450
tcagccacag tgggagtatt tacaccaggg aaatcaacga acattacaaa 500
tc 502

<210> 164
<211> 238
<212> DNA
<213> Homo Sapien

<400> 164
tttcaaaaaa aaaaaagtgc ttctagtaaa taacacataa cttttgtttt 50
ataacccaat gttacagtcc ctctcttata ggagaaccca atccattcag 100
tttatcagtg atatgcctgt ttttgtgtgt tccatcggac tttgtttcct 150
tttttcgatt ttgttattgt ttccaccttt tcaattttct tacatttggt 200
ggctctctca agcttctgtt tattccccctt ctccctcc 238

<210> 165
<211> 702
<212> DNA
<213> Homo Sapien

<400> 165
cccgtgctc gggcactgtc tatatacgcc taacacctac atatatttta 50
aaaacattaa atataattaa caatcaaaag aaagaggaga aaggaaggga 100
agcattactg gggtactatg cacttgccgac tgatttcttg gctttttatc 150
attttgaact ttatggaata catcggcagc caaaacgcct cccggggaag 200
gcgccagcga agaatgcac ctaacgcttag tcaaggctgc caaggaggct 250
gtgcaacatg ctgagattac aatggatgtt tgtcatgtaa gccagacta 300
ttttttgctc tggaaagaat tggcatgaag cagattggag tatgtctctc 350

ttcatgtcca agtggatatt atggaactcg atatccagat ataaataagt 400
 gtacaaaatg caaagctgac tgtgatacct gtttcaacaa aaatttctgc 450
 acaaaatgta aaagtggatt ttacttacac cttggaaagt gccttgacaa 500
 ttgcccagaa gggttggaag ccaacaacca tactatggag tgtgtcagta 550
 ttgtgcactg tgaggtcagt gaatggaatc cttggagtcc atgcacgaag 600
 aagggaaaaa catgtggctt caaaagaggg actgaaacac ggggtccgaga 650
 aataatacag catccttcag caaagggtaa cctgtgtccc ccaacaaatg 700
 ag 702

<210> 166
 <211> 365
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 28, 34, 93, 126, 145, 151, 161, 195
 <223> unknown base

<400> 166
 ggattacaac ccccgaggagc gcgccctnta tacntggaac aacggccacc 50
 aggtgctata caatgtcacc ctgtttcacg tcatcagcac ctntgggggc 100
 ctttttcatt cgtgcctgtg tcccncaag ggtgatctct atgtntatgt 150
 nacgcccttt ntccccgcct ttttgctggg cttttgttct ctgcntatgt 200
 atttctgtct attttttcaa tttccctct tctcctttat tgatctctgc 250
 ttttaataca ccacttcttt ctttctgcct ttttatggat gtctttttct 300
 ttttatggct ctgggtctcc agttctttcc gtctctgcct ctctctgtct 350
 ctctctctct gtcct 365

<210> 167
 <211> 452
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 26
 <223> unknown base

<400> 167
 tcagcaaaac gtggatttaa atctcnttgc acaagcttga gagcaacaca 50
 atttatcagg aaagaaagaa agaaaaaac cgaacctgac aaaaaagaag 100
 aaaaagaaga agaaaaaaa tcatgaaaac catccagcca aaaatgcaca 150
 attctatctc ttgggcaatc ttcacggggc tggtctctct gtgtctcttc 200
 caaggagtgc ccgtgcgcag cggagatgcc accttcccca aagctatgga 250

caacgtgacg gtccggcagg gggagagcgc caccctcagg tgcactattg 300
acaaccgggt caccgggtg gcctgggtaa accgcagcac catcctctat 350
gctgggaatg acaagtgggt cctggatcct cgcgtgggtcc ttctgagcaa 400
cacccaaacg cagtacagca tcgagatcca gaacgtggat gtgtatgacg 450
ag 452

<210> 168
<211> 443
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 110-111, 122, 134, 275
<223> unknown base

<400> 168
ggagtggctt cccctactgc gtgntttgac gcccatcccg gtgctcacgt 50
ggtttttccc ccatcatcgg ccacatgggc atctgcacat ccacaggagt 100
cattcgggan ntcgcgggce cntactttgt ctengaggac aacatggcct 150
ttggaaagcc tgccaagtac tggaagttgg accctgctca ggtctatgct 200
agcggggcca acgcatggga cacggctgtg cacgacgcct ctgaggagta 250
caagcaccgc atgcacaatc tctgntgtga caactgccac tcgcacgtgg 300
cattggccct gaatctgatg cgctacaaca acagcaccaa ctggaatatg 350
gtgacgctct gcttcttctg cctgctctac gggaagtacg tcagcgttgg 400
ggccttcgtg aagacctggc tgcccttcat ccttctcctg ggc 443

<210> 169
<211> 319
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 54, 163, 203
<223> unknown base

<400> 169
tgggagatgt atgcttactc tccttagcct ttcattcatc ttggcaggac 50
ttantgttgg tggagcctgc atttacaagt acttcatgcc caagagcacc 100
atttaccgtg gagagatgtg cttttttgat tctgaggatc ctgcaaattc 150
ccttcgtgga ggngagccta acttcctgcc tgtgactgag gaggctgaca 200
ttngtgagga tgacaacatt gcaatcattg atgtgcctgt ccccagtttc 250
tctgatagtg accctgcagc aattattcat gactttgaaa agggaatgac 300
tgcttacctg gacttccag 319

<210> 170
<211> 383
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 87, 117, 120, 124
<223> unknown base

<400> 170
ggaagcaaag gaggaagatc taccacagaa ggttgaggaa aagttcaacc 50
tcacacaagc acagatcaaa cagacagctt ggaattnagc aaacaacagt 100
ttttacacca gtagcangan ttcntattgt taactttgat tatagcatgg 150
aggaaaagtt tgaatccttt tcaagttttc ctggagtaga atcaagttat 200
aatgtgttac caggaaagaa gggacactgt ttggtaaagg gcataaccat 250
gtacaacaaa gctgtgtggc cgctgagcc ctgcactacc tgccctctgct 300
cagatggaag agttctttgt gatgaaacca tgtgccatcc ccagaggtgc 350
ccccaacag ttatacctga aggggaatgc tgc 383

<210> 171
<211> 636
<212> DNA
<213> Homo Sapien

<400> 171
actacattgc ctggaggaag cctaaggaac ccaggcatcc agctgcccac 50
gcctgagtcc aagattcttc ccaggaacac aaacgtagga gaccacgct 100
cctggaagca ccagccttta tctcttcacc ttcaagtccc ctttctcaag 150
aatcctctgt tctttgccct ctaaagtctt ggtacatcta ggaccagggc 200
atcttgcttt ccagccacaa agagacagat gaagatgcag aaaggaaatg 250
ttctccttat gtttggctta ctattgcatt tagaagctgc acaaattcc 300
aatgagacta gcacctctgc caacactgga tccagtgtga tctccagtgg 350
agccagcaca gccaccaact ctgggtccag tgtgacctcc agtgggggtca 400
gcacagccac catctcaggg tccagcgtga cctccaatgg ggtcagcata 450
gtcaccaact ctgagttcca tacaacatcc agtgggatca gcacagccac 500
caactctgag ttcagcacag cgtccagtgg gatcagcata gccaccaact 550
ctgagtccag cacaacctcc agtggggcca gcacagccac caactctgag 600
tccagcacac cctccagtgg ggccagcaca gccacc 636

<210> 172
<211> 480
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21, 99, 162
<223> unknown base

<400> 172
tacattgcct tggaggaagc ntaaggaacc caggcatccc agctgcccac 50
gcctgagtc aagattcttc ccaggaacac aaacgtagga gacccacgnt 100
cttgggaagca ccagccttta tctcttcacc ttcaagtccc ctttctcaag 150
aatcctctgt tntttgccct ctaaagtctt ggtacatcta ggacccaggc 200
atcttgcttt ccagccacaa agagacagat gaagatgcag aaaggaaatg 250
ttctccttat gtttgggtcta ctattgcatt tagaagctgc aacaaattcc 300
aatgagacta gcacctctgc caacactgga tccagtgtga tctccagtgg 350
agccagcaca gccaccaact ctgggtccag tgtgacctcc agtgggggtca 400
gcacagccac catctcaggg tccagcgtga cctccaatgg ggtcagcata 450
gtcaccaact ctgagttcca tacaacctcc 480

<210> 173
<211> 390
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 9, 43, 51, 54, 120
<223> unknown base

<400> 173
gacaaaggnt catttgtaaa gaagctcctt ccagcacctc ctntcttctc 50
nttntgccc aactcaccca gtgagtgtga gcattttaag aagcatcctc 100
tgcccagac caaaaggaan gaagaaaaag ggccaaaagc caaatgaaa 150
ctgatggtag ttgttttcac cattgggcta actttgctgc taggagttca 200
agccatgcct gcaaatcgcc tctcttgcta cagaaagata ctaaagatc 250
acaactgtca caaccttccg gaaggagtag ctgacctgac acagattgat 300
gtcaatgtcc aggatcattt ctgggatggg aagggatgtg agatgatctg 350
ttactgcaac ttcagcgaat tgctctgctg cccaaaaaac 390

<210> 174
<211> 451
<212> DNA
<213> Homo Sapien

<400> 174
gtttggtaag actccagact ccagctaaca gtccttatgg aaagatggca 50
tcaaaaaaga tagatctata tatatatata aatatatatt ctattacatt 100
ttcagtgagt aattttggat tttgcaaggt gcatttttac tattgttaca 150

1005657.0430

gttttgtatt tttttagtag agacgggggtt tttccgtgtt ggtcaggctg 250
gtctcgaact cccgacctca ggtgatccgc ccgcctcggc ctcccaaggt 300
tntgggattg caggtgtgag ccaccgtgcc cggctgtttt ttgtgggttt 350
tttgtttgtt tgtttggttt tgagacagag tcttgctctg tcactcagge 400
tggagtgcag tggcacagtc tcggctcact gcaacctctg cctcctgagt 450
tcaagccatt ntcctgcctc ggccccctca gtagctggg 489

<210> 179
<211> 495
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 78, 212, 234, 487
<223> unknown base

<400> 179
gggcgagaag taggggaggg cgtgttccgc cgcggtggcg gttgctatcg 50
ttttgcagaa cctactcagg cagccagntg agaagagttg agggaaagtg 100
ctgctgctgg gtctgcagac gcgatggata acgtgcagcc gaaaataaaa 150
catcgccctt tctgcttcag tgtgaaaggc cacgtgaaga tgctgcggct 200
ggcactaact gngacatcta tgaccttttt tatnatcgca caagcccttg 250
aaccatatat tgttatcact ggatttgaag tcaccgttat cttatttttc 300
atacttttat atgtactcag acttgatcga ttaatgaagt ggttattttg 350
gcctttgctt gatattatca actcactggg aacaacagta ttcattgctca 400
tcgtatctgt gttggcactg ataccagaaa ccacaacatt gacagttggg 450
ggaggggtgt ttgcacttgt gacagcagta tgctgtnttg ccgac 495

<210> 180
<211> 552
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 12, 25, 65, 130, 437, 537
<223> unknown base

<400> 180
gggaggctgt gnccgttttg ttttnttggc taaaatcggg ggagtgagge 50
ggcccggcgc ggcgngacac cgggttccgg gaaccattgc acgacggggg 100
ggactgacct gaaaaaaatg tttggatttn tagagggtt gagatgctca 150
gaatgcattg actgggggga aaagcgcaat actattgctt ccattgctgc 200
tggtgtacta ttttttacag gctggtggat tatcatagat gcagctgtta 250

tttatccac catgaaagat ttcaaccact cataccatgc ctgtggtggt 300
 atagcaacca tagccttcct aatgattaat gcagtatcga atggacaagt 350
 ccgaggtgat agttacagtg aaggttgtct gggtaaaca ggtgctcgca 400
 tttggctttt cgttgggttc atgttggcct ttggatntct gattgcatct 450
 atgtggattc tttttggagg ttatgttgct aaagaaaaag acatagtata 500
 ccctggaatt gctgtatttt tccagaatgc cttcatnttt tttggagggc 550
 tg 552

<210> 181
 <211> 690
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 18, 87, 89, 97, 127, 148, 170, 221, 232, 357, 426, 478, 561
 <223> unknown base

<400> 181
 ttcttttttag agattccntt ggaccttgac ccaaggtttc cgacaggttt 50
 ttttttgaat tttggaacag acctttatat tttgggncna gaagttngcc 100
 cagaaagcag caggggtttt gcctggntgt agagcccagt tcattggntg 150
 tccctgggtt tgtttccttn ttccgagtag ttgtgccttt tttcagatca 200
 ggttaccaca atgctccccg ntgtgacgtt tnatccccca cacttccagc 250
 ccagttacc tggagttttt cagaaccac tttgccggtg ttaaaacaca 300
 agaggggggtg aaagtggctg ccagtaatgg ccagaaacca accaccagag 350
 gccaggntga aagacaagtt ccgggtgtcc aggggctgac gggccaacca 400
 tgtggcaggt ccaggcccc acccantgcg ccatccgctt ctgagctcca 450
 cagtgggtccc actaatggga acctcctnta gggagagtga tactgcacct 500
 tcaccgtag gactcatatt tataacaatg tgtaatggct gtagcaaaaa 550
 gcccttgttt ntagatgtaa atgggtcaaag aaacaagcgt tttattgttt 600
 tgaataaaat agttcaaagt agtcctgtat cattgtatct cctattctgg 650
 attagtgcct tttggacagt agactgttct gtaattaaaa 690

<210> 182
 <211> 468
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 59, 95, 149, 331, 364, 438, 446
 <223> unknown base

<400> 182
aatttttcacc gctgtaggaa tccagatgca ggccaagtac agcagcacga 50
gggacatgnt ggatgatgat gggacaccac catgagcctg cattntcaag 100
cttttgccac aattcggcat ccagagcccc ggcgcacaga gcacagggnt 150
cctttttcaa cgtggcgacc agtggccctg accctgctga ctttgtgctt 200
ggtgctgctg atagggctgg cagccctggg gcttttgttt tttcagtact 250
accagctctc caatactggt caagacacca tttctcaa at ggaagaaaga 300
ttaggaaata cgtcccaaga gttgcaattt nttcaagtcc agaataataa 350
gcttgcagga agtntgcagc atgtggctga aaaactctgt cgtgagctgt 400
ataacaaagc tggaggaact ttgaaggagg gcaaagtntc ctcatntact 450
atacacacac cacttccc 468

<210> 183
<211> 227
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 21, 50, 84, 90, 111, 131, 154, 174-175, 189, 201
<223> unknown base

<400> 183
tcacagcatg agagagatcc ntggatatagc tgggaccagc cgggcctgan 50
gttgaactgg ggtgaaccga tgcactggca cctngacatn tacaacagga 100
accgtgtgga nacatcccc acacctgttt nttggcatgt catgtgtatg 150
cagntcttcg gtttcctggc tttnttgata ttcattgtgnt ggggtggggga 200
ngtgtaccct gtctaccagc ctgtggg 227

<210> 184
<211> 474
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 33, 105, 126, 184, 199, 206, 218, 236
<223> unknown base

<400> 184
gaaagaagga aataaacaca ggcaccaaac cantatccta agttgactgt 50
cctttaaata tgtcaagatc cagacttttc agtgtcacct cagcgatctc 100
aacgntaggg atcttgtgtt tgccgntatt ccagttgggt ctctcggacc 150
taccatgcga agaagatgaa atgtgtgtaa attntaatga ccaacaccnt 200
aatggntggg atatctgnat cctcctgctg ctggtnnttg tggcagctct 250
tctctgtgga gctgtgggtcc tctgcctcca gtgctggctg aggagacccc 300

gaattgattc tcacaggcgc accatggcag tttttgctgt tggagacttg 350
gactctatatt atgggacaga agcagctgtg agtccaactg ttggaattca 400
ccttcaaact caaaccctg acctatatcc tgttcctgct ccatgttttg 450
gccctttagg ctccccctct ccct 474

<210> 185
<211> 340
<212> DNA
<213> Homo Sapien

<400> 185
ccgaaacgcg gtctttctct agacgcgtct tgctgggaga gtgtccgttg 50
cttcccgtcc gtgtcgcggc cctgcggttg gcggcctcct cgtggagcgg 100
agcaaggctg agatctgtat ctgtggacct gaatgttgat ccctcgcttc 150
agattgacat acctgatgcg ctcaagtga gagacaaagt caaatttaca 200
gtgcacacaa agaccacact gccacggtt cagagcccag agttttctgt 250
tacaaggcaa catgaagact ttgtgtggct acatgacact cttattgaaa 300
caacagacta tgctgggctt attattccac ctgctctttg 340

<210> 186
<211> 411
<212> DNA
<213> Homo Sapien

<400> 186
ggctggagca aatgetccac agctgccgaa tccagaagtc agatttcagc 50
aacaactgga acagctcaac gcaatggggt tcttaaaccg tgaagcaaac 100
ttgcaggccc taatagcaac aggaggcgac atcaatgcag ccattgaaag 150
gctgctgggc tcccagccat cgtaatcaca tttctgtacc tggaaaaaaa 200
tgtatcttat ttttgataat ggctcttaaa tctttaaaca cacacacaaa 250
atcgttcttt actttcattt tgattctttt aaatctgtct agttgtaagt 300
ctaatatgat gcattttaag atggagtcct tccctcctac ttcctcact 350
ccctttctcc tttgcttatt tttcctacct tcccttcctc ttgtctcccc 400
actccccctcc c 411

<210> 187
<211> 277
<212> DNA
<213> Homo Sapien

<400> 187
cttagcataa acctacaggg ccctgtgtga tcggactcct gcccaattga 50
catgttagtt acttgcccct cgttgcttcg tgctttacct tccagaatca 100
ttaaactgct gatgtttccc aaaaataact atgtacctgg gtcagctcat 150

gctggcatgg agttctcgtc catcaccatg cccaccctgg cttctttgag 200
 cgcccgtata atatatatct ctaccatcat acttcatata ttttgttata 250
 attgctgggt ttatttgcct ctgtgggt 277

<210> 188
 <211> 294
 <212> DNA
 <213> Homo Sapien

<400> 188
 aaaaatcctg gttttttttg ggtttttttt ttgctgtgcc ctagaccatt 50
 acataactga agactccac cttcaggcag gtttgggtag tacacgtttg 100
 taactacctg gcattgcctt ttgttgaagt aatttcagtt tttattagta 150
 gtagtagtag tatactttgg gttctacagt atatgttcac aatgtgcagg 200
 tttgttacat atgtatacat gtgccatggt tgtttgctgc acccattaac 250
 tggtcattta cattgggtat ttctcctaact actatcccc ccgc 294

<210> 189
 <211> 385
 <212> DNA
 <213> Homo Sapien

<400> 189
 gtaacatttg ggagtgacaa gactgttcat cagcttgggg cctggcagca 50
 acttttctag agttagcttt tttctccttt cttgttccat gacttaaaaa 100
 taataacttg ttgggcatgg tgcctcattc ttgtaatccc agcacttttg 150
 gaggctgagg cacttgtggc caggagttca agactagcct gggcaacgta 200
 gtagatgcc tccccgccac catctctaca aaagaaaaaa agttaactct 250
 tgatttgctt tctagtagtg ggtgaatttg gagttccaat gattgtcaac 300
 ccattaattc ttcatttact gaacatctcc ttatgtttca gatgctgcaa 350
 agatgtacaa gactttgttt cctaccctcc ttttt 385

<210> 190
 <211> 134
 <212> DNA
 <213> Homo Sapien

<400> 190
 tgcaatctgc cttgtgtgct gttgtaaaca agttagtgtt caaccagtgt 50
 ttaaagtgtc tgttttaaaa gctctaatta tggtagtatt tccatttcct 100
 tttacaacac cctttatatt gttcctccag gttc 134

<210> 191
 <211> 245
 <212> DNA
 <213> Homo Sapien

<400> 191
 ttttaaaaaa aaaaaaaaac aaagaaattc tatgttaact caataccaac 50
 atcttgcaga actagagtac aatatcacag ccaggatgtt gaccttgata 100
 cgagccatca gtcttattcg ggttttccca aatttacttt gtgtgtgtgt 150
 gtgtctgtgt gtagttaggt ctatgctagt ttatgacgtg cagtttcacg 200
 tatctcccac cacagccaac acacagaaca gtcccatctc cctc 245

<210> 192
 <211> 323
 <212> DNA
 <213> Homo Sapien

<400> 192
 ggtttcgcca tgttgcccaa gctgttcttg aactcccggg ctccaggtgat 50
 ccgcctccct cggcctccca gaggctggg attacaggca cggaccacca 100
 tgcccagcct ccacatcttt ttttgactg tgtatactct tctgagacat 150
 gccaacttcc tccaggtcaa gaaaggggta tatagctctc agcttcactc 200
 tttcagggtc gatgtgcct ttgccttttc tcaattcact gacctgtcta 250
 ttctacaac tgtctcttcc tagagaagcc tcaatgatca ggattgacag 300
 gccacactct cccccacctt tct 323

<210> 193
 <211> 481
 <212> DNA
 <213> Homo Sapien

<400> 193
 cagcatgagc tccctgtgtg tgcaaggcag ctctatgcgg ttctcgggtg 50
 ctctaggaa gcaactttca gtaccctcct gtgttgagtc cgattttcta 100
 aaagctgagc gggcatctag ggacctttct gtcactcagc cgactgtgtg 150
 gctgtggcca gctctgggtc tgccctcccc agaactagat gcccatgggg 200
 agtccatcag caccaatctc ctgtgatcgt ttatacaaca gaatctccac 250
 tcaagtaaaa gtggggcctc ctccatctct gctgtttgtg tgtgtgttgg 300
 cagaccccag cgtggctgga acagatgatt gcacatacca cgtggcggga 350
 ccttttttat aaactggctg aagcccatcc agactgtttg atgctgaact 400
 tcaccgttaa ggtaggaaga gttctagagt taaggagaaa agtgtttatg 450
 aatgtttatt tttggttggt ggtctgtttg g 481

<210> 194
 <211> 184
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure

<222> 128
<223> unknown base

<400> 194
atagctctca gottcactct ttcagggctg atgtcgctt tgccttttct 50
cacttcactg acctgtctat tcctacaact gtctctttct agagaagcct 100
caatgatcag gattgacagg ccacactntc cccaccatt tttttctcct 150
ccttcaagcc tcttgtctgt ttcacctct agtg 184

<210> 195
<211> 225
<212> DNA
<213> Homo Sapien

<400> 195
gtttaattat ggtatgcaac cactcatgta ttcggttcag gaagcattaa 50
atgccagacc atggtggatt cgtatgggga ctgacatttg ttactataaa 100
aatcatttct caagaagttc agttgctgca ggtgggcaaa agggaaaatc 150
ctactataca attacattta ctgtcaattt tccacataaa gatgatgttt 200
gctactttgc ttatcactat ccttt 225

<210> 196
<211> 208
<212> DNA
<213> Homo Sapien

<400> 196
ctgacattca ttgtgatgag ggcagctttc tggtagagga ttctaagctc 50
tatgttttat atacattttc atctgtactt gcacctcact ttacacaaga 100
ggaaactatg caaagtttagc tggatcgctc aaggtcactt aggtaagttg 150
gcaagtccat gcttcccact cagctcctca ggtcagcaag tctacttctc 200
tgctatag 208

<210> 197
<211> 403
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 112
<223> unknown base

<400> 197
atcttggcgc tatgaaagta taacactaag aaaaaaattc atttttttca 50
aacgtaacct tccattcttt ctcccttttc ctctaaacta aaaccttctt 100
tcccatcttt tntttcttga accagactaa tctagacaaa gatctcagcc 150
tctgccagac agagtttagag gcagatttag aaaaaatgga gacgcttaat 200
aaagcaccca gtgcaaacgt gccacaggta tttcctagtt tttctcatgc 250

catcagttcc ttttcaagct gtgctttggtt ttcttctttg ttctatgggt 300
 tttgatgtag ttgaggtgac ggatgggtgat gctgggtatt ttaggctgca 350
 tggctttctg actactgttt tagactcctt cccccacacc taccagtta 400
 gta 403

<210> 198
 <211> 484
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 62, 150, 158, 195, 236
 <223> unknown base

<400> 198
 gttgaacgcc accgaggggc aagtcacaga caagaagctg tgcagtcacc 50
 agtgtttcct cntgcccaga aacaaatcca ccaaaaaccc atacctctgc 100
 caagatttac agaaggggga aacccaactg tggatgggccc cctacccagn 150
 ttttcatnta attccactat ttcagaacag gaagctggcg ttctntgcaa 200
 gccatggtat gctggagcct gtgatcgaaa gtctgntgaa gaggcattgc 250
 acagatcaaa caaggatgga tcattttctta ttcggaagag ctctggccat 300
 gattccaaac aaccatatac actagttgta ttctttaata agcgagtata 350
 taatattcct gtgcgattta ttgaagcaac aaaacaatat gccttgggca 400
 gaaagaaaaa tgggtgaagag tactttggaa gtgttgctga aatcatcagg 450
 aatcatcaac atagtccttt gggtcttatt gaca 484

<210> 199
 <211> 442
 <212> DNA
 <213> Homo Sapien

<400> 199
 ggcggtggg ctgtttgggt tgagcgctcg ccgtcttttg gcggcagcgg 50
 cgacgcgagg gctcccggcc gccgcgctcc gctgggaatc tagcttctcc 100
 aggactgtgg tcgccccgtc cgctgtggcg ggaaagcggc cccagaacc 150
 gaccacaccg tggcaagagg acccagaacc cgaggacgaa aacttgatg 200
 agaagaaccc agactcccat gggtatgaca aggaccccg tttggacgtc 250
 tggaacatgc gacttgctct cttctttggc gtctccatca tctggctct 300
 tggcagcacc tttgtggcct atctgcctga ctacaggatg aaagagtgg 350
 cccgccgcga agctgagagg cttgtgaaat accgagaggc caatggcctt 400
 cccatcatgg aatccaactg cttcgacccc agcaagatcc ag 442

<210> 200
<211> 756
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21, 31, 46, 68, 72, 95, 220
<223> unknown base

<400> 200
gggtccgaaaa gtaagttctt nttttgggct naacgggatt tccttntttg 50
cagttttgca gccccagnac gntgattccc agcaggcgct ttacngggca 100
gcccgaagat ttcacttatg gtgaaaatcg cctttcaata cccttaccgc 150
cgtgcaaaaag gaggaggcgc ggcaagactt ggaggccctt cttgaccgca 200
acgggtcagaa ctcaggatan tgaccggcaa ggagctccga gttgccaccc 250
aggaaaaaga gggctcctct gggagatgta tgcttactct cttaggcctt 300
tcattcatct tggcaggact tattgttggt ggagcctgca tttacaagta 350
cttcatgccc aagagcacca tttaccgtgg agagatgtgc ttttttgatt 400
ctgaggatcc tgcaaattcc cttcgtggag gagagcctaa cttcctgcct 450
gtgactgagg aggctgacat tcgtgaggat gacaacattg caatcattga 500
tgtgcctgtc cccagtttct ctgatagtga ccctgcagca attattcatg 550
actttgaaaa gggaatgact gcttacctgg acttggtgct ggggaactgc 600
tatctgatgc ccctcaatac ttctattggt atgcctcaaa aaaatctggt 650
agagctcttt ggcaaactgg cgagtggcag atatctgcct caaacttatg 700
tggttcgaga agacctagtt gctgtggagg aaattcgtga tgtagtaac 750
cttggc 756

<210> 201
<211> 445
<212> DNA
<213> Homo Sapien

<400> 201
gatgggtttc caagcgttca ttcaaaaact tgctgggtaa tccccaggcc 50
tctatagctc agatcattgt cacagtcgta ctgggactgg ttataggtgc 100
catttacttt gggctaaaaa atgattctac tggaatccag aacagagctg 150
gggttctctt cttcctgacg accaaccagt gtttcagcag tgtttcagcc 200
gtggaactct ttgtggtaga gaagaagctc ttcatacatg aatacatcag 250
cggatactac agagtgtcat cttatttcct tggaaaactg ttatctgatt 300
tattacccat gaggatgtta ccaagtatta tatttacctg tatagtgtac 350
ttcatgttag gattgaagcc aaaggcagat gccttcttcg ttatgatgtt 400

tacccttatg atggtggctt attcagccag ttccatggca ctggc 445

<210> 202
<211> 700
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 66, 168
<223> unknown base

<400> 202
gcggcccccct tggggtttgg attcaggatt tgttcctagt gtccaagatt 50
ttgttaggaa cttacngaag ttgatgctta cctacaaatc ttgattgaac 100
aattaaagct ttttgatgac aagcttcaaa actgcaaaga agatgaacag 150
agaaagaaaa ttgaactntc aaagagacaa caaatagcat ggtagaatca 200
attaaacact gcatttgtgtt gctgcagatt gccaaagacc agagtaatgc 250
ggagaagcac gcagatggaa tgataagtac tattaatccc gtagatgcaa 300
tatatcaacc tggtcctttg gaacctgtga tcagcacaat gccttcccag 350
actgtgttac ctccagaacc tgttcagttg tgtaagtcag agcagcgtcc 400
atcttcccta ccagttggac ctgtgttggc taccttggga catcatcaga 450
ctcctacacc aaatagtaca ggcagtggcc attcaccacc gagtagcagt 500
ctcacttctc caagccacgt gaacttgtct ccaaatacag tcccagagtt 550
ctcttactcc agcagtgaag atgagtttta tgatgctgat gaattccatc 600
aaagtggctc atccccaaag cgcttaatag attcttctgg atctgcctca 650
gtcctgacac acagcagctc gggaaatagt ctaaaacgcc cagataccac 700

<210> 203
<211> 513
<212> DNA
<213> Homo Sapien

<400> 203
catgcagtgc ttcagcttca ttaagaccat gatgatcctc ttcaatttgc 50
tcacttttct gtgtggtgca gccctgttgg cagtgggcat ctgggtgtca 100
atcgatgggg catcctttct gaagatcttc gggccactgt cgtccagtgc 150
catgcagttt gtcaacgtgg gctacttctt catcgcagcc ggcgttgtgg 200
tctttgctct tggtttcctg ggctgctatg gtgctaagac tgagagcaag 250
tgtgccctcg tgacgttctt cttcatcctc ctctcatctt tcattgctga 300
ggttgcagct gctgtggtcg ccttggtgta caccacaatg gctgagcact 350
tcttgacgtt gctggtagtg cctgccatca agaaagatta tggttcccag 400

gaagacttca ctcaagtgtg gaacaccacc atgaaagggc tcaagtgctg 450
 tggcttcacc aactatacgg attttgagga ctcaccctac ttcaaagaga 500
 acagtgcctt tcc 513

<210> 204
 <211> 348
 <212> DNA
 <213> Homo Sapien

<400> 204
 gaatcgatag aaccgaggtg cagttggacc tgggagtga caccaagatt 50
 ttaaaagctc caatttcaga gcaagagtcg aaaactcaca gataaagtta 100
 tagttatttc agggttctga aaagacgcag aacatgaagg gactcagaag 150
 tctggcagca acaaccttgg ctcttttctt ggtgtttgtt ttcctgggaa 200
 actccagctg cgctccgcag agactgttgg agagaaggaa ctggactcct 250
 caagctatgc tctacctgaa aggggcacag ggtcgccgct tcatctccga 300
 ccagagccgg agaaaggacc tctccgaccg gccactgccg gaaagacg 348

<210> 205
 <211> 493
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 202
 <223> unknown base

<400> 205
 tccaggagac gactaaaatg ggctgtcttc atcggtggaa tacaacataa 50
 tggagttgga acaagaactt gaaaatgtaa agactcttaa gacaaaatta 100
 gagaggcgaa aaaaggcttc agcatgggaa agaaatttgg tgtatcccgc 150
 tgttatgggtt ctcttcttta ttgagacatc catctcggtc ctcttggtgg 200
 cntgtaatat tctttgccta ttggttgatg aaacagcaaa tgccaaaagg 250
 aacaaggggg cctggaatag gaaatgcctc tctttctacg tttggttttg 300
 tgggagctgc gcttgaaatc attttgattt tctatcttat ggtgtcctct 350
 gttgtcggct tctatagcct tcgatttttt ggaaacttta ctccaagaa 400
 agatgacaca actatgacaa agatcattgg aaattgtgtg tccatcttgg 450
 ttttgagctc tgctctgcct gtgatgtcga gaacactggg aat 493

<210> 206
 <211> 599
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure

<222> 38, 48, 191, 261
<223> unknown base

<400> 206
ctattagaga ttccccttgg acccttggac ccaacgngt cccggggnac 50
accccctttt ttcagaaacc cagggctgtg taagagctgc ttggagtagg 100
caccocatth aaagaaaaaa atgaagaagc agcaataaag aagttgtaat 150
cgttacctag acaaacagag aactggtttt gacagtgttt ntagagtgtc 200
ttttattatt ttctgacag ttgtgttcca ccatgattac tttctccttc 250
agcgaatagg ntaaatgaat atgaaacaga aaagcgtgta tcagcaaacc 300
aaagcacttc tgtgcaagaa ttttcttaag aaatggagga tgaaaagaga 350
gagcttattg gaatggggcc tctcaatact tctaggactg tgtattgttc 400
tgttttccag ttccatgaga aatgtccagt ttcttggaaat ggctcctcag 450
aatctgggaa gggtagataa atttaatagc tcttctttaa tggttgtgta 500
tacaccaata tctaatttaa cccagcagat aatgaataaa acagcacttg 550
ctcctctttt gaaaggaaca agtgtcattg gggcaccaaa taaaacaca 599

<210> 207
<211> 578
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 49, 75, 77, 283, 458
<223> unknown base

<400> 207
tgccttttcc tctgaccctt caggtccctc accgagtttt gctccaggng 50
tatattgaaa acatacccag tgctntntca agcaccact gcttagaggg 100
cccagatttc ttttcttctt ttccccttgc gagctggaga ctgcatcggg 150
catctggtgt ttaaaactaa caggaaaact gactaaaggt ccacagtgtc 200
cattgtgtag actagctgcc ctccgatggg tgctctgatt atcagtgggt 250
ccagtgcagg gcctgtcact aaacaggcct canttctctc ttgggggctt 300
tcccatggga ggtgtggctt tttactctac atggaaatga ctctctgcag 350
ccacagaaca cagtcatttt ctgaattatc ccagtctctc atgcgccctg 400
gattcctcca gatgccttat atctcttgtg caaagttgtc taaaatttgg 450
ttcccagntt ccaagccttg ccttttggcc ttcttgggaag tatttttgtt 500
gatgagtcgt ctgtcattat tctctaaaat gatttgcttt ttgtttcttt 550
cattcctatt tccacccac atatacac 578

<210> 208

<211> 588
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 332, 427, 444, 449, 480, 508, 541, 578
<223> unknown base

<400> 208
tcttttctgta agactcaact gatatatatt atactgatgc aaatattaag 50
tagggcataa aaatatgctt ccataatatg aaatagatta ttcaataatt 100
gagaaacttt atgtgtaatc atgagagtat aagagtctgg attatctaac 150
attgtagcc ctgtgtatgt acagttcaaa aagttcattt ataaaagtag 200
tttcctgttc ctagtgtgat gtatcacaaa ttgtgctgag gttatttttag 250
tatgtgtggt tcattcccgt gcttctgttc tgaagtcctg gaatacagtt 300
ttcagtgtaa ttaattcaac tgcacttaac antaatgtcc gtgttggtat 350
agaaatgtct aaatcctata ctctagttga ggaagatctt ccataatttt 400
atggtattac acagggaaag ctatgantgc aggatcagtc taantatant 450
attaggtgca tgtattctct tttcactaan ttatacttgt ctatctagaa 500
tacaggtntt ccagtcagct ggtcatttac caggtgtgga ntaagttgc 550
tgggcttgca gtaagaattg ccagccantc attgtgcg 588

<210> 209
<211> 481
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 84
<223> unknown base

<400> 209
cgtgtggccc ccgcggtgcg gagtatgggg cgctgatggc catggagggc 50
tactggcgct tcctggcgct gctggggctg gcantgctcg tcggcttctt 100
gtcggtgatc ttcgcctctg tctgggtcct ccactaccga gaggggcttg 150
gctgggatgg gagcgacta gagtttaact ggcacccagt gctcatggtc 200
accggcttcg tcttcatcca gggcatcgcc atcatcgtct acagactgcc 250
gtggacctgg aaatgcagca agctcctgat gaaatccatc catgcagggt 300
taaatgcagt tgctgccatt ctgcaatta tctctgtggt ggccgtgttt 350
gagaaccaca atgttaacaa tatagccaat atgtacagtc tgcacagctg 400
ggttggactg atagctgtca tatgctattt gttacagctt ctttcagggt 450
tttcagtctt tctgcttcca tgggctccgc t 481

<210> 210
<211> 569
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 325
<223> unknown base

<400> 210
tttcatatac catggagtta cataaaacat ggcattttgt atctggcttc 50
tttcacttaa tgttttcaag gttcattcag gctggagcgc ataatagatac 100
tttattcctt tctatgggtg aataatattc cattgtatga atagaccata 150
ttttgtctat ccattcatca gttgatggac atctgggtta tttctatttt 200
tggctatcgt gaataatgct gccatggaca ttcacgtata agtttttgtg 250
tggatatatg ttttcatttc tttggagtag agttgctggg tcatggggta 300
accctagggt taagcttttg aggcntacca gatttccaaa gtgactgcat 350
cattttgcat tcccatcaac agtatatgaa ggttctaact tctctacatc 400
ttcaccaata tttgttattg tctgtcttct tgacaaaagt tctcctagtg 450
ggtgtgaact ggtatcattt tgtggttttg atttgcattt cctggatggg 500
tatgaatggt gattttactt tcatgtgctt attggccatt gtatatcttt 550
gggaaaatag ctattttcc 569

<210> 211
<211> 416
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 291
<223> unknown base

<400> 211
gtcgaaagaa gcttatctgc aaaagatata atgaaaaatg ggaagagcaa 50
tcatctcaaa cagttccggg ttgctgccct tttggctttc ctaggtgcta 100
cagtagcagg ctgttttccc cttttccata gaggggaata ttctgcatca 150
cccctttggt tgccatttcc tacagggtgaa acgccatcat taggattcac 200
tgtaacgtta gtgctattaa actcactagc atttttatta atggccgtta 250
tctacactaa gctatactgc aacttggaaa aagaggacct ntcagaaaac 300
tcacaatcta gcatgattaa gcatgtcgct tggctaattc tcaccaattg 350
catctttttc tgccctgtgg cgtttttttc atttgcacca ttgatcactg 400
caatctctat cagccc 416

<210> 212
<211> 765
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25, 55, 63, 76, 81, 389, 626, 761
<223> unknown base

<400> 212
ttttggcctg ttggaatttc cccanttttt ttccccagga ggatttgccc 50
aaaantgagc ttntattggg acaggnggca nttggatttt tggagtaggt 100
gggcttttgt ttttggggtc tgcaattggg ttgtcttaga gggttcaggag 150
gggaaattat atggaagggt cccaaattgc attactttac aaactcattg 200
tactctgttt ggccattagt ctcccttagg aatcggacga ttagccatta 250
taaaatcaat aggctatcag gaacatttaa cagagtattg gagttcactg 300
gaactttttc tttaccataa tagttgtgaa attgataaca ccaactgctgt 350
tgattatttt tcccctaaat aagtcctgga ttattgccnt cggcattact 400
gtattatacc agctagccct tgactttacc tcaactgaaga ggттаатatt 450
atatggcact gatggtagtg gcacacgggt tggctctatta aatgccaacc 500
gcgaaggaat aatctctacc ctgggggtatg tggcaataca catggctggg 550
gtgcaaacag ggttatatat gcataagaac cgatcacata tcaaagactt 600
gataaaagta gcctgttttc ttttantggc agctattagc ctcttcatat 650
ctctttacgt agttcaagta aatgtagaag cagtatctcg aagaatggca 700
aatttagcct tttgtatttg gatagttgct tctagcctga tccttcttag 750
tagtttatta ntggg 765

<210> 213
<211> 500
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 117, 181, 219, 297, 397, 415
<223> unknown base

<400> 213
ggcgggaactg aagttttttc ttaattatca tgtgacgggt tctggattta 50
atgggggggaa aagggcggaa taggacaagg atccaaactg gcgaatttgc 100
tgatcttcgg gtccctntcc gctttccggc cggcagcgct gccagggtat 150
atttcctttt ttccgaccc gcaacagcct ntttaaactg tttaaagag 200
aatgtccttg gctcagagng tactactcac ctggcttttc acactactct 250

tcttgatcat gttggtgttg aaactggatg agaaagcacc ttggaantgg 300
 ttcctcatat tcattccagt ctggatattt gatactatcc ttcttgcct 350
 gctgattgtg aaaatggctg ggcgggtgtaa gtctggcttt gaccctngac 400
 atggatcaca caatnttaaa aaaaaagcct ggtacctcat tgcaatgtta 450
 cttaaattag ccttctgcct cgcactctgt gctaaactgg aacagtttac 500

<210> 214
 <211> 500
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 1, 15, 24, 49, 94, 126, 158, 196
 <223> unknown base

<400> 214
 nacggtgaat ttttngaagc caangaagga gatttgcaca ggatagaant 50
 cccattcaaa ttccacatgt tgcattcagg gttggtccac ggcntggctt 100
 tctggtttga cgttgccttc atcggntcca taatgaccgt gtggctgtcc 150
 acagcccnga cagagcccct gaccactgg taccaggtgc ggtgcntggt 200
 ccagtcacca ctgttcgcca aggcagggga cacgctctca gggacatgtc 250
 tgcttattgc caacaaaaga cagagctacg acatcagtat tgtggcccag 300
 gtggaccaga ccggctccaa gtccagtaac ctcttgatc tgaaaaaccc 350
 cttctttaga tacacgggca caacgccctc acccccaccg ggtcccact 400
 acacatctcc ctcgaaaac atgtggaaca cgggcagcac ctacaacctc 450
 agcagcggga tggccgtggc agggatgccg accgcctatg acttgagcag 500

<210> 215
 <211> 739
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 98, 103, 114, 178
 <223> unknown base

<400> 215
 tggccggatc cttttagaaa tcccttggac cttggacca aggtgtccgg 50
 gcgagagcct tgggatgcac ccggccagag cccatgctgc tgctgctnaa 100
 cgnttgcccc tccttggggg gcccacttg ggcaggggaag atgtatggcc 150
 ctggaggagg caagtatttc agcaccantg aagattacga cccatgaaat 200
 cacagggctg cgggtgtctg taggtcttct cctggtgaaa agtgtccagg 250
 tgaaacttgg agactccttg ggacgtgaaa ctgggagcct taggtgggaa 300

taccaggaa gtcaccctgc agccaggcga atacatcaca aaagtctttg 350
 tcgccttcca agctttcctc cggggtatgg tcatgtacac cagcaaggac 400
 cgctatttct attttgggaa gcttgatggc cagatctcct ctgcctaccc 450
 cagccaagag gggcagggtgc tgggtgggcat ctatggccag tatcaactcc 500
 ttggcatcaa gagcattggc tttgaatgga attatccact agaggagccg 550
 accactgagc caccagttaa tctcacatac tcagcaaact caccctgtggg 600
 tcgctagggt ggggtatggg gccatttacc gagcggccgc cgtaattggg 650
 ccgctggggt atctctcgag aaaagagagg cccaatatga cccacatact 700
 caatatggac gaactgatat tgtccacctg ttatgagtg 739

<210> 216
 <211> 474
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 92, 120, 205, 214, 238, 348, 353, 358
 <223> unknown base

<400> 216
 tttccaaaag ttgtgaagga cacctccatc cattcaaggc agttgtcaaa 50
 gcagaaattt tcagtgaag tcttgatggt gccccgtccc cnattcccta 100
 catcagaagg atccctcatn tggactccag cgttggtctc ttgatgctgc 150
 gcgttcccc attccctaca tcagaatgca tcccgcaccc agactccagc 200
 gttgntgctc tacntgcacg ctgttgccaa gtccaagnta ccatactcct 250
 gctgagcta tgacaacagc ctctcactg atctcccctt tcttcccttt 300
 gctcctcca gctcattttt cacagtgtag aatgacattt tgtttgtntg 350
 ttntgtntg tttgagatgg agtctcgctc tgttgcccag ggtggagtgc 400
 agcgggtgca tctcggctca ctgcaacctc cacctcccgg gttcaagcgg 450
 attctcgtgc ctcagcctcc tgag 474

<210> 217
 <211> 509
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22
 <223> unknown base

<400> 217
 cacagttccc caccatcact cntcccattc cttccaactt tatttttagc 50
 ttgccattgg gagggggcag gatgggaggg aaagtgaaga aaacagaaaa 100

ggagagggac agagggccaga ggacttctca tactggacag aaaccgatca 150
 ggcatggaac tccccttcgt cactcacctg ttcttgcccc tgggtgtcct 200
 gacaggtctc tgctccccct ttaacctgga tgaacatcac ccacgcctat 250
 tcccagggcc accagaagct gaatttggat acagtgtctt acaacatgtt 300
 ggggggtggac agcgatggat gctgggtgggc gccccctggg atgggccttc 350
 aggcgaccgg agggggggacg tttatcgctg ccctgtaggg gggggccaca 400
 atgccccatg tgccaagggc cacttaggtg actaccaact gggaaattca 450
 tctcatcctg ctgtgaatat gcacctgggg atgtctctgt tagagacaga 500
 tggatgatgg 509

<210> 218
 <211> 291
 <212> DNA
 <213> Homo Sapien

<400> 218
 ctcttaggct ttgaagcatt tttgtctgtg ctccctgatc ttcattgtcac 50
 caccatgaag ttcttagcag tcctgggtact cttgggagtt tccatctttc 100
 tgggtctctgc ccagaatccg acaacagctg ctccagctga cacgtatcca 150
 gctactgggc ctgctgatga tgaagcccct gatgctgaaa ccaactgctgc 200
 tgcaaccact gcgaccactg ctgctcctac cactgcaacc accgctgctt 250
 caaccactgc gaccactgct gctcctacca ctgcaaccac c 291

<210> 219
 <211> 266
 <212> DNA
 <213> Homo Sapien

<400> 219
 cgggctttga agcatttttg tctgtgctcc ctgatcttca ggtcaccccc 50
 atgaagtctt tagcagtcct ggtactcttg ggagtttcca tctttctggt 100
 ctctgcccag aatccgacaa cagctgctcc agctgacacg tatccagcta 150
 ctggctcctgc tgatgatgaa gccctgatg ctgaaaccac tgcaactgca 200
 accactgcga ccaactgctgc tcctaccact gcaaccaccg ctgcttctac 250
 cactgctcgt aaagac 266

<210> 220
 <211> 264
 <212> DNA
 <213> Homo Sapien

<400> 220
 ggctttgaag catttttgtc tgtgtccct gatcttcagg tcacccccat 50
 gaagtcttta gcagtcctgg tactcttggg agtttccatc tttctggtct 100

ctgcccagaa tccgacaaca gctgctccag ctgacacgta tccagctact 150
 ggtcctgctg atgatgaagc ccctgatgct gaaaccactg caactgcaac 200
 cactgcgacc actgctgctc ctaccactgc aaccaccgct gcttctacca 250
 ctgctcgtaa agac 264

<210> 221
 <211> 610
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 64, 185, 201
 <223> unknown base

<400> 221
 tgattttttac acaccccagg atttttttga attgaggaga cggttcaaga 50
 gtttagcctt ggantggccc agtatccagg tcgagggttct gcagaagggtt 100
 gtgacttttag taacattttt cttcttttcgg ggacgtggcc tgcattggcta 150
 tctgctcctg ccagtgtcca gcagccatgg ccttntgctt cctggagacc 200
 ntgtggtggg aattcacagc ttcctatgac actacctgca ttggcctagc 250
 ctccaggcca tacgcttttc ttgagtttga cagcatcatt cagaaagtga 300
 agtggcattt taactatgta agttcctctc agatggagtg cagcttggaa 350
 aaaattcagg aggagctcaa gttgcagcct ccagcgggtc tcactctgga 400
 ggacacagat gtggcaaagt gggatgatgaa tggtcacaca ccgatgcact 450
 tggagcctgc tcctaatttc cgaatggaac cagtgcacgc cctgggtatc 500
 ctctccctca ttctcaacat catgtgtgct gccctgaatc tcattcgagg 550
 agttcacctt gcagaacatt ctttacaggt tgcccatgag gaaattggaa 600
 acattctggc 610

<210> 222
 <211> 612
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 17, 43, 70, 89, 92, 100, 194, 219, 229, 295, 327-328, 330, 334,
 338, 344
 <223> unknown base

<400> 222
 cgaaggcttg ggcggangcg tgggcgcggg agtgcattggc agntttgggtt 50
 cccagacttg cccggaccn tttgcttcac ctccagctnt gntgctcctn 100
 tactcttggg tcgagatccc tttggagcca cagcgaggaa ccctgtggtc 150

ctcaggcagg tgtaccttga gtcagcccag gagccctctt ttcntgtgtc 200
aaagcctgcc ctggggctnt gctcacctnt ggtgaccctc ccaagatgcc 250
cctgcccctca gtttcccctc atgatctggc ctctgcccc ttctntagcc 300
acagcctttt agtacacttt agcaatnnnn accngaanta gttngagtgc 350
cccaattcac caagcaagac atgcagtttc atgcctctgt gccttcgctc 400
atgcttggtt cttccgaact tggaaatgcct tcccctgctc ctctgcctt 450
gtctgcctgg caagttcatc tctcacgata cctcaaagg cccctcctc 500
caggaaggca acccctgtgc cctccccctc caggetacct ctgcactttg 550
tcaatgcttc tcttgtggca cttatcacac tgtattttac ttgtttacat 600
gtttgtctcc cc 612

<210> 223
<211> 616
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 1, 21, 224
<223> unknown base

<400> 223
nccaatgcag ccctccggtt ntccgcgaag aagttccttg ccccgatgag 50
ccccgcctgt gcgtccccga ttatccccag gcgggcgtgg ggcaccgggc 100
ccagcgccga cgatcgctgc cgttttgccc ttgggagtag gatgtggtga 150
aaggatgggg cttctccctt acggggctca caatggccag agaagattcc 200
gtgaagtgtc tgcgctgcct gctntacgcc ctcaatctgc tcttttggtt 250
aatgtccatc agtgtgttgg cagtttctgc ttggatgagg gactacctaa 300
ataatgttct cactttaact gcagaaacga gggtagagga agcagtcatt 350
ttgacttact ttctgtggtt tcatccgggc atgattgctg tttgctgttt 400
ccttatcatt gtggggatgt taggatattg tggaacgggtg aaaagaaatc 450
tgttgcttct tgcattgtac tttggaagtt tgcttgatcat tttctgtgta 500
gaactggctt gtggcgtttg gacatatgaa caggaactta tggttccagt 550
acaatgggtc gatatgggtc ctttgaaagc caggatgaca aattatggat 600
tacctagata tcggtg 616

<210> 224
<211> 639
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 28, 102, 105, 107, 157, 167
<223> unknown base

<400> 224
taagttcctg cattaaaacc atgctgtngc aattgagagc ttagctccac 50
ggttctcaaa gggaggtccc tggccaacag catcagcatc accttgagga 100
cntantngca atgcaaatta tcagggccct tcttcagact cactgaatca 150
gaaaccttgg gataggncca gcacgctgtg ctttaacaag ctctaggtga 200
tgcccaattc atactcaagt gtgaggctga ctggcttatt tgaagggaga 250
gaaaggaaca ggcacatggc gacatatcag catttacaca aggcgtgctg 300
ggtaaccata ggaacacctt tattacggtt aaataggaaa caggcatcaa 350
tgcagagggc ccccaggaga atcaggaagg tcgcgactgt cactgtctga 400
gggcactggt gtgaaacgat ggccgaagg gacaaccaca gcaaagtttc 450
aaggaagttc actgaaacgt ggaaaaacc actcaatgtc ctgctctcat 500
ttatatagag tggcttaagt atttattttc ttggtttttt agaggaaggg 550
agggttggag gattctcaaa gcattcaaaa ggacaccata tgctggcagg 600
aaatattcaa gcttttaatg gaataatgca atggaggtg 639

<210> 225
<211> 704
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 45, 89, 96, 105, 115, 121, 141, 147, 178, 194, 205, 209, 233,
236, 245, 256, 284
<223> unknown base

<400> 225
tacccttggc cacttaagtt ggagaaattt gaaatcaaga agttntcatt 50
ttgaagaagc acgagttcgg aagacttta catgggttnt tccttnttgc 100
agccngtata ctttntgtca nccagaaact gtattttcat ntcagcntag 150
tgacgatgaa tcaagtagtg atgaaccngt aatcagccca gtentgcctt 200
tagangacnc cgtgttagga agaagaccgt ttntgnttca gaatntgaag 250
accgntagt tgctgaacaa gaaactgaac ctntaagga gttgagtaaa 300
cgtcagttca gtagtggctc caataagtgt gttatacttg ctttggatgat 350
tgcaatcagc atgggatttg gccatttcta tggcacaatt cagattcaga 400
agcgtcaaca gttagtcaga aagatacatg aagatgaatt gaatgatatg 450
aaggattatc tttcccagtg tcaacaggaa caagaatctt ttatagatta 500
taagtcattg aaagaaaatc ttgcaagggtg ttggacactt actgaagcag 550

agaagatgtc ctttgaaact cagaaaacga accttgctac agaaaatcag 600
 tatttaagag tatccctgga aaaggaagaa aaagccttat cctcattaca 650
 ggaagagtta aacaaactaa gagaacagat tagaatattg gaagataaag 700
 ggac 704

<210> 226
 <211> 627
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 30, 46, 51, 66, 90, 95, 179
 <223> unknown base

<400> 226
 ggtccccaac gggccccccg ggtcgggttn ccgcgttggc catgantgcg 50
 nccgtgttct ttcggntgcg ccttcatttg ccttcgggcn tgcgntcgcc 100
 ctttatgtct tcaccatcgc catcgagccg ttgcgtatca tcttcctcat 150
 cgccggagct ttcttctggt tgggtgtctnt actgatttcg tcccttgttt 200
 ggttcatggc aagagtcatt attgacaaca aagatggacc aacacagaaa 250
 tatctgctga tctttggagc gtttgtctct gtctatatcc aagaaatggt 300
 ccgatttgca tattataaac tcttaaaaaa agccagtga ggtttgaaga 350
 gtataaacc aggtgagaca gcacctcta tgcgactgct ggcctatggt 400
 tctggcttgg gctttggaat catgagtgga gtattttcct ttgtgaatac 450
 cctatctgac tccttggggc caggcacagt gggcattcat ggagattctc 500
 ctcaattctt cctttattca gctttcatga cgttggtcat tatcttgctg 550
 catgtattct ggggcattgt attttttgat ggctgtgaga agaaaaagtg 600
 gggcatcctc cttatcgttc tcctgac 627

<210> 227
 <211> 647
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 19, 36, 42, 65, 67, 101, 107, 112, 147, 224, 292
 <223> unknown base

<400> 227
 gaccaagggt ccgggtagnt tacctatatt tggtnatgg tntaattata 50
 gaccaggaaa gagcntntta tgtctccatc ttgatttcg tggcagccaa 100
 ntgcctntat gnatactctc acatcccagc tttttcataa taaatantac 150
 atgctgggtt ctcgtggatt gttgggaatt ggagcaggaa atgtagcagt 200

tgtagatca tatactgctg gtgntacttc ccttcaggaa agaacaagtt 250
 ccatggcaaa cataagcatg tgtcaagcat taggttttat tntaggtcca 300
 gtttttcaga cttgttttac attccttgga gaaaaaggtg tgacatggga 350
 tgtgattaaa ctgcagataa acatgtatac aacaccagtt ttacttagcg 400
 ccttcctggg aattttaaat attattctga tccttgccat actaagagaa 450
 catcgtgtgg atgactcagg aagacagtgt aaaagtatta attttgaaga 500
 agcaagtaca gatgaagctc aggttcccca aggaaatatt gaccaggttg 550
 ctgttggtgg catcaatggt ctgttttttg tgactctatt tatctttgcc 600
 ctttttgaaa ccatcattac tccattaaca atggatatgt atgcctg 647

<210> 228
 <211> 697
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 72, 75, 81, 92, 116, 135, 153, 157, 170, 248, 267, 271, 332, 498,
 570
 <223> unknown base

<400> 228
 tgaaattatt aaaccaaaca aacaaacaaa aacccggaat gcattgtata 50
 ggattgcatg tgaagtcttt tntantgaat ntatatattcc anttgaagtg 100
 attttaagtt aacatntgaa ggcaggaaat gattnccttt ccagtaaaaa 150
 gtntagntaa tttaattaan ttagtgacac caccaagtgt tttgatataa 200
 ctaaatttgt ggtaataaga ttgtctgcac ctgtattcat tgtggaantt 250
 cctctttcat tggaaanttt nttactcaag aatgacggca gtattgtttt 300
 cttatatgtg caatgaagtg gaatgggttaa cngtatgccc ttaaatttaa 350
 aatgggttcc ttgttctgat gttgtttcct gaaatgattt ttcttcctaa 400
 ctgtgggttt cgggtatgca agcctaaatc tttgtacact ttgtctcaca 450
 gaatagttct gaggtccat gacagggttt tgtcattgtt gatgttantg 500
 ttgcttcggt ttataaaaaa gccaaaattt ttttccaatc caaacgttca 550
 cctgtttcct ttctcaagn tataccagtg taataccagt taccctgtgg 600
 atccatttaa tatgttatcc ccactaatta attttcgtat attatttcca 650
 atatttggaag agctctttat agccatttgg tatttcctat taccac 697

<210> 229
 <211> 621
 <212> DNA
 <213> Homo Sapien

<220>

<221> unsure
<222> 90, 145, 189, 249
<223> unknown base

<400> 229
ttttcaattt gccagtttgt ggatgatgaa ttgacttaaa tcgaactaaa 50
ttggaatgtg aatctgcatg tacgaagcat attcccaatn tgatgagcaa 100
tatgcttgcc atcttggttg ccagaatcag ttccattcgc tgaantggac 150
aagaacaact tatgtccctg atgccaaaaa tgcacctant ctttcctcta 200
actcttggtg aggtcattct ggagtgcacat gatggactcc gcacagagnt 250
tcataacctc ttcattggact ttttatcttc aagccgatga cggaaaaata 300
gttatattcc agtttaagcc agaaatccca gtacgcacca catttgagac 350
aggagcctac aaatttgaga gaatcatctc taagcaaaat gtcctatctg 400
caaatgagaa attcacaagc gcacaggaat tttcttgaag atggagaaag 450
tgatggcttt ttaagatgcc tctctcttaa ctctgggtgg attttaacta 500
caactcttgt cctctcgggtg atggtattgc tttggatttg ttgtgcaact 550
gttgctacag ctgtggagca gtatgttccc tctgagaagc tgagtatcta 600
tggtgacttg gagtttatga a 621

<210> 230
<211> 864
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 654, 711, 748, 827
<223> unknown base

<400> 230
tcctgctgat gcacatctgg gtttggcaaa aggagggttg ttcgagccgc 50
cctttctagc ttcttgcccg gctctagaac aattcaggct tcgctgagac 100
tagacctcag ctccaacata tgcattctga agaaagatgg ctgagatgac 150
agaatgcttt attttggaag gaaacaatgt tctaggtcaa actgagtcta 200
ccaaatgcag actttcacia tggttctaga agaaatctgg acaagtcttt 250
tcatgtggtt tttctacgca ttgattccat gtttgctcac agatgaagtg 300
gccattctgc ctgcccctca gaacctctct gtactctcaa ccaacatgaa 350
gcatctcttg atgtggagcc cagtgatcgc gcctggagaa acagtgtact 400
attctgtcga ataccagggg gagtacgaga gcctgtacac gagccacatc 450
tggatcccca gcagctgggtg ctactcact gaaggtcctg agtgtgatgt 500
cactgatgac atcacggcca ctgtgccata caacctttgt gtcagggcca 550

cattgggctc acagacctca gcctggagca tcctgaagca tccctttaat 600
 agaaactcaa ccataccttac ccgacctggg atggagatca ccaaagatgg 650
 cttncacctg gttattgagc tggaggacct ggggccccag tttgagttcc 700
 ttgtggccta ntggaggagg ggcgaacccc ttgcggcgca aggggttngc 750
 gaacccttg cggccgctgg ggtatctctc gagaaaagag aggccaata 800
 tgaccacat actcaatatg gacgaantgc tattgtccac ctgtttgagt 850
 ggcgctgggt tgat 864

<210> 231
 <211> 595
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 59, 62, 82, 121, 425, 446, 523, 563
 <223> unknown base

<400> 231
 tagagcgaca gtggaagggg catgaccctc aatgaggacg gccttgtttc 50
 ctgggaggng tntaaaaatt ccaacctacg gntacgtttt agatgatcca 100
 gatcctgatg atggattcaa ntataaacag atgatggtta gagatgagcg 150
 gaggtttaaa atggcagaca aggatggaga cctcattgcc accaaggagg 200
 agttcacagc tttcctgcac cctgaggagt atgactacat gaaagatata 250
 gtagtacagg aaacaatgga agatatagat aagaatgctg atggtttcat 300
 tgatctagaa gagtatattg gtgacatgta cagccatgat gggaatactg 350
 atgagcccag aatgggtaaa gacagagcga gagcagtttg ttgagtttcg 400
 ggataagaac cgtgatggga agatngacaa ggaagagacc aaagantgga 450
 tccttcctc agactatgat catgcagagg cagaagccag gcacctggtc 500
 tatgaatcag accaaaacaa ggntggcaag cttaccaagg aggagatcgt 550
 tgacaagtat ganttatattg ttggcagcca ggccacagat tttgg 595

<210> 232
 <211> 460
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 90, 99, 147, 222, 234, 271, 412
 <223> unknown base

<400> 232
 accgccttca gttactccag gtagccccgt agcatttaaa gaacaaaatc 50
 tgtccagtca aagtgatttt cttcaagagc cgttacaggn tacttcttnt 100

ttctggatct gaaacagagt ttatgacctc agagactcct gaggcagcaa 200
 ttccccccagg caagcaaccg tnttcactag cttntccaaa tcctcccatg 250
 gcaaagggct ctgaacaggg nttccagtca cctccagcaa gtagtagttc 300
 agtaaccatt aacacagcac cctttcaagc catgcagaca gtatttaacg 350
 ttaatgcacc tctgcctcca cgaaaagaac aagaaataaa agaatcccct 400
 tattcacctg gntacaatca aagttttacc acagcaagta cacaaacacc 450
 accccagtgc 460

<210> 233
 <211> 660
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 7, 13, 31, 107, 127, 129, 131, 159
 <223> unknown base

<400> 233
 cgggaanccc ganccggttg ccccggggaa nccgtgcggc cccttccgtc 50
 ccgttcccat ccttgccggg gttccagcac ctttgaagtt tttgcagcgc 100
 ccgaaangga ggcgaggaag gagggantnt ntgagaggag ggagcaaaaa 150
 gcttcacnt aaaacattta tttcaaggag aaaagaaaaa gggggggcgc 200
 aaaaatggct ggggcaatta tagaaaacat gagcaccaag aagctgtgca 250
 ttgttggtgg gattctgctc gtgttccaaa tcatcgctt tctggtggga 300
 ggcttgattg ctccagggcc cacaaaggca gtgtcctaca tgtcggtgaa 350
 atgtgtggat gcccgtaaga accatcaca gacaaaatgg ttcgtgcctt 400
 ggggacccaa tcattgtgac aagatccgag acattgaaga ggcaattcca 450
 agggaaattg aagccaatga catcgtgttt tctgttcaca ttcccctccc 500
 ccacatggag atgagtcctt gggtccaatt catgctgttt atcctgcagc 550
 tggacattgc cttcaagcta aacaaccaa tcagagaaaa tgcagaagtc 600
 tccatggacg tttccctggc ttaccgtgat gacgcgtttg ctgagtggac 650
 tgaaatggcc 660

<210> 234
 <211> 564
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 71
 <223> unknown base

<400> 234

tttgtttccc gggaccttgg tggcagttct gcagccacag aggcagtggc 50
gattttgaca gccacatacc ntgtgggtca catgccatac ggctgggtga 100
cggaaatccg tgctgtgtat cctgctttcg acaagaataa ccccagcaac 150
aaactgggtga gcacgagcaa cacagtcacg gcagcccaca tcaagaagtt 200
caccttcgtc tgcattggctc tgtcactcac gctctgtttc gtgatgtttt 250
ggacacccaa cgtgtctgag aaaatcttga tagacatcat cggagtggac 300
tttgcctttg cagaactctg tgttgttcct ttgcggatct tctccttctt 350
cccagttcca gtcacagtga gggcgcattc caccgggtgg ctgatgacac 400
tgaagaaaac cttcgtcctt gccccagct ctgtgctgag gatcatcgct 450
ctcatcgcca gcctcgtggg cctaccctac ctgggggtgc acgggtgcgac 500
cctgggcgtg ggctccctcc tggcgggctt tgtgggagaa tccaccatgg 550
tcgccatcgc tgcg 564

<210> 235

<211> 461

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 34, 196-197, 307

<223> unknown base

<400> 235

cggacgcgtg ggtttaaaaa ttactcataa tcgntccatt gataatacta 50
aatttagttt cccctgtctt tagtgtctaa ttgtcagcca gaaaattagg 100
aatctgttgc acttgatttt taagtaactt atctaaaact atgtgccatt 150
ttaacagtga gcattactta gttgcatttt ccaaatttat tatttnntca 200
tttcttaact gtagactatt atttcaaaat tttaaattta gtttttgatg 250
ttttagagaa atgaagccac agtggcttag cacatctttg tgtttctatt 300
atttatntat ttttttgaga cagagtcttg ctgtgttgct caggctggag 350
tgcagtgggt cgatctcagc tcaactgcaac ctctgcctcc cgggttcaag 400
tgattttcct gcctcagcct cccaagtagc tgggattaca gacacctgcc 450
accatgtccg g 461

<210> 236

<211> 307

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 93
<223> unknown base

<400> 236
gaggtcatct ccatttcac ccggataaat gagtatgcaa ggaacgtttt 50
tataggcatt ttggagatca aagatgggta gaaaagatgc tgntactata 100
aaacttcctg ttgatcagta cagaaaacaa attggtaaagc aggattataa 150
aaaaactaaa cctatttttac gagctaccaa attaaaagca gaagcaaaga 200
aaacagcaat aggcataaag gaagttggcc ttgtacttgc agctatattg 250
gcactactac tggcttttcta tgctttcttt tatctcagac tcaccacgga 300
aatgttg 307

<210> 237
<211> 468
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 53, 67
<223> unknown base

<400> 237
cgggggaacc cgagccggtt gcgcccgggg aatccgtgcg ggcgcccttcc 50
gtnccggtcc catcctngcc gcgctccagc acctttgaag ttttgcagcg 100
cccagaaagg aggcgaggaa ggagggagtg tgtgagagga gggagcaaaa 150
agctcaccct aaaacattta tttcaaggag aaaagaaaaa gggggggcgc 200
aaaaatggct ggggcaatta tagaaaacat gagcaccaag aagctgtgca 250
ttgttggtgg gattctgctc gtgttccaaa tcatcgctt tctggtggga 300
ggcttgattg ctccagggcc cacaacggca gtgtcctaca tgtcggtgaa 350
atgtgtggat gcccgtaaga accatcacaa gacaaaatgg ttcgtgcctt 400
ggggacccaa tcattgtgac aagatccgag acattgaaga ggcaattcca 450
agggaaattg aagccata 468

<210> 238
<211> 490
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 110, 128, 151, 215, 229, 268, 274, 282, 343, 363, 383, 489
<223> unknown base

<400> 238
tccataatga ccgtgtggnt gtccacagcc ccgacagagc cccctgaccc 50
aattgtacca ggtgcggtgc ctgttccagt caccattgtt cgccaaggca 100

ggggacacgn tttcagggac atgtttgntt attgccaaca aaagacagag 150
 ntacgacatc agtattgtgg cccaggtgga ccagaccggc tccaagtcca 200
 gtaacctcct ggatntgaaa aacccttnt ttagatacac gggcacaacg 250
 ccctcacccc caccggntc ccantacaca tntccctcgg aaaacatgtg 300
 gaacacgggc agcacctaca acctcagcag cgggatggcc gtngcaggga 350
 tgccgaccgc ctntgacttg agcagtgtta ttnccagtgg ctccagcgtg 400
 ggccacaaca acctgattcc tttaggggtcc tccggcgccc agggcagtgg 450
 tgggtggcagc acgagtgccc actatgcagt caacagccng 490

<210> 239
 <211> 583
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 37, 53, 71, 79, 89, 100, 166, 258, 260, 302, 327, 334
 <223> unknown base

<400> 239
 tcccccta at ggggtgttg accccattc cggttgntaa gtggtttttc 50
 ccnatcatcg gccaaattgg nattttcana tccacaggng tcattgggan 100
 tttggggggc cctaatttgt ttcagacagg cggggaggca gtttgccaga 150
 aggattctta agtaantgac ccagcccttt gccccacccc ctgggggtacc 200
 gagacatggg tagggattag agcaagagtt gagagtcaga ccatccagga 250
 accacatntn tggaccttca gaaggaggac aacatggcct ttggaaagcc 300
 tnccaagtac tggaagttgg accctgntca ggtntatgct agcggggcca 350
 acgcatggga cacggctgtg cacgacgect ctgaggagta caagcaccgc 400
 atgcacaatc tetgctgtga caactgccac tcgcacgtgg cattggccct 450
 gaatctgatg cgctacaaca acagcaccaa ctggaatatg gtgacgctct 500
 gcttcttctg cctgctctac gggaagtacg tcagcgttgg ggccttcgtg 550
 aagacctggc tgcccttcat ccttctcctg ggc 583

<210> 240
 <211> 546
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 25, 57, 97, 254, 341
 <223> unknown base
 <400> 240
 tttttcaggg agaattttga ggctntgttg agaatcatgc tttggaggca 50

gctcatntat tggcaactgc tggctttgtt tttcctccct ttttgcntgt 100
 gtcaagatga atacatggag gtgagcggaa gaactaataa agtgggtggca 150
 agaatagtgc aaagccacca gcagactggc cgtagcggct ccaggaggga 200
 gaaagtgaga gagcggagcc atcctaaaac tgggactgtg gataataaca 250
 cttntacaga cctaaaatcc ctgagaccag atgagctacc gcaccccgag 300
 gtagatgacc tagcccagat caccacattc tggggccagt ntccacaaac 350
 cggaggacta cccccagact gcagtaagtg ttgtcatgga gactacagct 400
 ttcgaggcta ccaaggcccc cctggggccac cgggccctcc tggcattcca 450
 ggaaaccatg gaaacaatgg caacaatgga gccactggtc atgaaggagc 500
 caaaggtgag aagggcgaca aaggtgacct ggggcctcga ggggag 546

<210> 241
 <211> 546
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 126
 <223> unknown base

<400> 241
 ggtgatctga aagatagcca aggatttttc agaacacaag aaaaaagagg 50
 gatgaaaagt gaaaaagaaa ttagaagata tggataataa atcccaggag 100
 aggtaatatg catccaatca aacatntaat agaaaatttc ctacagggaa 150
 taaaagaaaa agattcttaa gatcgaaagg gccagttgat agtggtagcc 200
 aggaggaagg agtgggttttt caccagata tatcctgggtg aaatttctga 250
 attctgcagc ttacaagaaa attctgaact cttccaggga agaacaagct 300
 atgtacaaag gaataagaat cttattcatt acactaaaga caatgctttt 350
 gatcattgtc tatagctatg tgtattttga acctagaatt ccgtactcag 400
 cccaactgtc atttatgtat gagaacaaaa ttaacttttt ggaatttgca 450
 gactcatatt cttttcgaaa aaaatactgt gggatgtacc aaaacaaaaa 500
 aataagtcaa gaagcaacaa ctcaaggcat aagaaacagt agcgag 546

<210> 242
 <211> 549
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 100, 121
 <223> unknown base

<400> 242

ttccagagag cccttgagaa gaccaagggc aaagtgagca tgaggttctc 50
 ctctctctgc ccaccctcca cgtccactgc ctctggccgc agaccagcn 100
 tcgtgatcga tgggagaagc ntggcctacg ctctcgagaa aaacctggag 150
 gacaaattcc tcttccttgc caagcagtgc cgctccgtcc tctgctgtcg 200
 gtcgacgcct ctgcagaaga gcatgggtgt gaagctgggtg cggagcaagc 250
 tcaaggccat gaccctggcc ataggtgatg gagccaatga tgtcagcatg 300
 atccaggtgg cagatgtggg tgtgggaatc tccggccagg agggatatgca 350
 ggcagtgatg gccagcgact ttgcagtgcc gaaattccga tacctggaga 400
 ggctcttgat tcttcacggg cattgggtgct actcccgact tgccaacatg 450
 gtgctgtact tcttctacaa aaacacaatg ttcgtgggcc tcctgttttg 500
 gttccagttt ttctgtggct tctctgcac taccatgatt gaccagtgg 549

<210> 243
 <211> 549
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 97, 120
 <223> unknown base

<400> 243
 ttcccagcga ggatcctgtc cctggaggct gtaatttgga gttcgattta 50
 gatattgatc ccaacattta cttggagtat aatttctttg aaacgantat 100
 caagtttgcc ccagcaaach taggctatgc gagaggcgta gatccccac 150
 catgtgacgc tgggacagac caggactcca ggtggagggt gcagtatgat 200
 gtctatcagt attttctgcc tgagaatgac ctactgagg agatgttgct 250
 gaagcatctg cagaggatgg tcagtgtgcc ccaggatgaag gccagtgtc 300
 tcaagggtgt taccctaaca gctaataata agacaagtgt ttccttctcc 350
 tccctcccgg gacaagggtg catatacaat gtcattgttt gggaccogtt 400
 tctaaataca tctgctgect acattcctgc tcacacatac gcttgagct 450
 ttgaggcagg agagggtagt tgtgcttccc taggaagagt gtcttccaaa 500
 gtgttcttca ctctttttgc cctgcttggt ttcttcattt gtttctttg 549

<210> 244
 <211> 448
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22
 <223> unknown base

<400> 244

attcttaagt cagttgatcc anttattcat tcatcaaata ttgattgaga 50
acctactgtg tgccaagtgt tatttttaggc cctgggacca agtaataaat 100
aagaggacac aggccatgca ctcacggagc ttctgttttc cttggcagag 150
cagacatggg gcagggtggt ctgagggtct cctcaggatg gtgtggtctg 200
tgctgggtgt ggttgtcttg acaggttggg cctcatgggc agatgggtacc 250
tgtcaggcag ggagtgtggg ggcaaccagg atgaacagtt ataagaccat 300
ttctaatact tgtatttttt tttctcctag ggaaaaattg gaagaaaaag 350
ccaaattata tgaaaaaatg actaaaggag actttataga tgaagaagta 400
gaggatatgt accttgtgga tttcacacag aagatcatag acaagcgc 448

<210> 245

<211> 567

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 3, 35, 49, 81, 106, 146, 152, 227, 239, 293, 308, 358, 427, 448,
476, 480, 566-567

<223> unknown base

<400> 245

ggntacccga aggccaagct ttttaacaat tttgntttgt aatcaatgng 50
taattcatga tgaattatth tgactaatgg ntagccgaag gccaagcttt 100
taattntaat aggtaatggt cttcttttgt cttattgaaa caatgngaatt 150
antctgtgca tttcaaagtc actccgatta tgctgtgggt ttattcacat 200
aagcacaata tgtgtttttat ttataanttc ataacaaant tataatataa 250
taatttacct tagcagacat gcaaaagctt attcttgtgt gantttacttt 300
ctttaagnta ataataataa aataaatatg tatcttaaaa atctataata 350
aaacattnga aattaaagat atgtgctttt tattttgcag atgagttcat 400
ttgcttctgt agatgtgttt tcagagntag gtacagagga atgtttgnta 450
ccttttagcgg tgaaaaaaga aagagngtcn agaattttgt tggattgtgt 500
ttgtgtgtgc atatatttga tatcatcatc atacattgta atctttggac 550
ttgtaatcat agcctnn 567

<210> 246

<211> 539

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 33, 100, 115, 153, 158, 185, 194, 263, 273, 286, 325, 371, 400,

404, 410, 454, 458, 485, 508, 539
<223> unknown base

<400> 246
ttcccactgt aatgccaaat gatccatagc ctnttcagat tccttataaa 50
atttaaacca agagaggaga ggaaagggtta aattttctgt aatgaccttn 100
tgcttaatag tcttntagaa aaaggaaagg tgatgagcaa ataaaggaac 150
ttntagantt tacatgacta ggctgataat cttanttttt aggnnttctat 200
acagttaatt ctataaatc tctttctccc tctcttctcc aatcaagcac 250
ttggagttag atntaggtcc ttntatctcg tccctntaca gatgtatttt 300
ccacttgcat aattcatgcc aacantgggtt ttcttaggtt tctccatttt 350
cacctctagt gatggcccta ntcatatctt ctctaatttg gtcctgatan 400
ttgnttcgtn tcacgttttc ccatttcctt gtggctcact gttttacaat 450
cacngctntg gaatcatgat accactttta gctcnttgca tcttccttca 500
gtgtattntt gtttttcaag aggaagtaga ttttaaatn 539

<210> 247
<211> 508
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 9, 38, 45, 78, 469
<223> unknown base

<400> 247
cggagcctnt gcaggaggag cttttcggtc ctggccgnga tttntgcag 50
gccccacgag tgggaggtgc tgagccgntc aggttctccc ttttgccact 100
ggaatcagga gaatgttgca gaggaattgc attcctggta acaagataac 150
ccagcaagac tcagactgct aacccaagga tcaactatta aggccagaca 200
gatgggaccg tgttcagaat tcacacaaaa gctgaaggat ttatggatgc 250
ggatatacct ctggaattgg tgttccattt gccagtcaat tacccttcat 300
gtctacctgg tatctcgatt aactctgaac agttgaccag ggcccagtgt 350
gtgactgtga aagagaattt acttgagcaa gcagagagcc ttttgtcggg 400
gcctatgggt catgagctgg ttctctggat tcagcagaat ctcaggcata 450
tcctcagcca accagaaant ggcagtggca gtgaaaagtg tactttttca 500
acaagcac 508

<210> 248
<211> 540
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 85, 100, 104, 133, 156, 395, 468
<223> unknown base

<400> 248
tcgggttttc ggagcagttt tcgaatggac agctccgtgg aggaggatga 50
acttatgtta aatgaaggta agagttttgg gcatnttatg ccccttttgn 100
tctntgacag ctctgtgtct tgtctttggc ctntatccac ctccttccaa 150
gacaantgat gataagacca gcggctttaa gaaatgtgaa accaagtcaa 200
ttgtgtcatc gtccatcagt gcttttacat tgcctgtgat caaaattaat 250
aactgtgtta ttgatgagcc cagtatagat aacatcactg aagatgctga 300
caacctcaaa agtaggtcaa ggaatttgtc aatggattcc cttgtgggtc 350
ctttgcccaa caccagtga tcttccagc ccgtcagcac agtgntacca 400
aggaataatt ccattgggga gtcgttgctg agtcagtaca agtcatctat 450
ggctctcgga cctggggntg gacagctctt gtctcctggg gctgccagaa 500
gacagtttgg gtccaatata tcttgcatt tgctctcgtc 540

<210> 249
<211> 618
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 12, 66, 90, 187, 263, 311, 508, 511, 547, 555, 610
<223> unknown base

<400> 249
tccttacaag gnccgtgtaa catgacactg ttaatgattg catttggctt 50
gctgtggggg catttnttgc ggatcaaacc cacgcagagn gttttcattt 100
tccaagtgtc tgtccttgtc aagcacaccc cttgtgtcca ggttcctcat 150
gggcagtgtc cggggtgaca aagaaggcga cattgantac agcaccgtgc 200
tcctcggcat gctggtgacg caggacgtgc agtcgggct cttcatggcc 250
gtcatgccga ctntcataca ggcgggcgcc agtgcattct ctagcattgt 300
cgtggaagtt ntccgaatcc tggttttgat tggtcagatt cttttttcac 350
tagcggcggg ttttctttta tgtcttggtta taaagaagta tctcattgga 400
ccctattatc ggaagctgca catggaaagc aaggggaaca aagaaatcct 450
gatcttggga atatctgcct ttatcttctt aatgttaacg gtcacggagc 500
tgctggangt ntccatggag ctgggctgtt tcctggctgg agcgtngtc 550
tcctntcagg gccccgtggg caccgaggag atcgccacct ccacgaacc 600
catccgcgan ttcttggc 618

<210> 250
<211> 626
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 33, 35, 67, 70, 91, 114, 133, 143, 177, 267, 394, 421, 447, 484,
536, 540, 561, 569
<223> unknown base

<400> 250
caacttacct gaaatgcgct attgaatgca cgnngggaaa atccttgggt 50
tccaggatga cacctantan tgcagtttga ttggcagaat ngtcgatacg 100
atggctggca aatntcctgg tccctttccc aantgtgact ggngattcaa 150
tgagtttccc aaccagttg cccatgntct ccatgttact tgtgtggagc 200
tcatggcctt ggcagtttca ggcaaagaag ttgggaatgc ccttctaaat 250
gttgtcctaa aaagtcngcc tttagtcca agagagaaca ttgcagcatg 300
gatgaatgca attggtttga tcatcactgc cctaccagag ccatattgga 350
ttgttcttca tgatcgaatt gtgagtgtca tcagcagccc cagnttgacg 400
tctgaaacag agtgggttgg ntatccattc cgcctctttg atttcantgc 450
ctgtcatcag tctactctg agatgagttg tagntatacg ttagctcttg 500
cacatgctgt gtggcaccat tttagcatcg gacaantttt tctcattcca 550
aagtttctta ntgaagtant tcttctata gtgaagaccg aattccagtt 600
gctttatgta taccatcttg ttggac 626

<210> 251
<211> 602
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 34, 80, 94, 300, 388
<223> unknown base

<400> 251
gaagggcatt ttcagggagc agaatgacaa gacntattgt caaccttgct 50
tcaataagct cttcccactg taatgccaan tgatccatag cctnttcaga 100
ttcccttata aaatttaaac caagagagga gaggaaggga taaattttct 150
gttactgacc ttctgcttaa tagtcttata gaaaaaggaa aggtgatgag 200
caaataaagg aactttttaga ctttacatga ctaggctgat aatcttattt 250
tttaggcttc tatacagtta attctataaa ttctctttct cctctcttn 300
tccaatcaag cacttggagt tagatctagg tccttctatc tegtccctct 350

acagatgtat tttccacttg cataattcat gccaacantg gttttcttag 400
 gttttctccat tttcacctct agtgatggcc ctactcatat cttctctaata 450
 ttggctcctga tacttgtttc ttttcacggt ttcccatttc cctgtggctc 500
 actgtcttac aatcactgct gtggaatcat gataccactt ttagctcttt 550
 gcatcttctc tcagtgtatt tttgtttttc aagaggaagt agattttaac 600
 tg 602

<210> 252
 <211> 455
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 48, 251, 266, 352, 391
 <223> unknown base

<400> 252
 atttgtttgt ataataaat acatatagat agaggggcga taatatantg 50
 gtagacaaag aatgcaggaa atgcccttat tcatcacacc accaagcagg 100
 cctcacccta aagaccagc aaaagtaaca aaagcacatt tggaaacca 150
 ggaagccagt aaaagtaaat ctaaaggctg acaggggtgta cattattatg 200
 tatgtgcaat ataatcaaa ttcaaagctg ttttctctta aattttgata 250
 nttatagaga cagganttgc catggggaat ttctttcccc ttactatata 300
 attttattac tagaaggaaa agtaatagca atgataataa tgaacagact 350
 tngtgtcttt attacatttg ctttcctagt tacctttaga ntgtcacttc 400
 tgagttcttt ctctgacatg cttttctttt ctctgtgaagc gtcttacatt 450
 ctgac 455

<210> 253
 <211> 461
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 6, 10, 30, 115, 198, 210, 229, 289, 291, 325, 333, 338, 377, 391,
 401
 <223> unknown base

<400> 253
 aatttntatn tacatttggtg ataatatagn tagtgcgtaa gaatatttcc 50
 ccaaggctcag ttaagcaaga ttttcttatg atcatcattg ccatgaactt 100
 tcaaacatag cgatnttggtg aaaacagtgc ctgttaattt acaatgttta 150
 ccttgaacag ttgtcaagtg tgatttttat aaggagttgg tatgtttnta 200
 agcagttatn tacttgatct ttttaatant ggggttaagg gaaacctgct 250

tacagcatca cctatttttc attcaaatgg cacataatng ngcatgtgta 300
 acagttgtgt acctttgtgg ggtntttttg ttntttgntt ttctttttga 350
 gacaggggtt cgttctgttg cccaagntgg agtacagtgg ntcgatctca 400
 ntgcaacctc cccccccag gctcaagtga ttctttcacc tcggcctcct 450
 gagtatccgg g 461

<210> 254
 <211> 497
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 19, 191, 232, 304, 340, 342, 357, 400, 403, 423, 447, 476
 <223> unknown base

<400> 254
 cagcgaatgt tggggaacnt gattcggcct ccatatgaaa ggccagagct 50
 cccacatgt ctctatgtaa ttgggctgac tggcatcagt ggctctggga 100
 agagctcaat agctcagcga ctgaagggcc tgggggcgtt tgtcattgac 150
 agtgaccacc tgggtcatcg ggcctatgcc ccaggtggcc ntgcctacca 200
 gcctgtggtg gaggcctttg gaacagatat tntccataaa gatggcatca 250
 tcaacaggaa ggtcctagge agccgggtgt ttgggaataa gaagcagctg 300
 aagntactca cggacattat gtggccaatt atcgcaaagn tngcccgaga 350
 ggagatngat cgggctgtgg ctgagggaaa gcgtgtgtgt gtgattgatn 400
 ccnctgtgtt gcttgaagcc ggntggcaga acctgggtcca tgaggtntgg 450
 actgctgtca tcccagagac tgaggntgta agacgcattg tggagag 497

<210> 255
 <211> 913
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 39
 <223> unknown base

<400> 255
 cattatcaac ccagcgccac tcaaacaggt ggacaatanc agttcgtcca 50
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 agcggccgca aggggttcgg ggtgataata gatcaatgtg ttggaagtga 150
 tggggatgga gaggcgagtc cactggcga tccgcagcag gatgcccac 200
 agagagaagc tggggctttc caggacagca tagaaaggct ccacccgggc 250
 tggatgctcc aggaccatcc cttcattctt aaaatgggca acgagaaacc 300

<220>
<221> unsure
<222> 44, 55, 60, 81, 172, 194, 225, 268, 279
<223> unknown base

<400> 257
tggccagaat gtgaatgtat tgaatggagt gagagaagaa atgntgtggc 50
atctnttgn gcaggtatat tgttttttac nggctgggtg ataattgattg 100
atgcagctgt ggtgtatcct aagccagaac agttgaacca tgcctttcac 150
acatgtgggtg tattttccac antggctttc ttcattgataa atgntgtatc 200
caatgctcag gtgagagggtg atagntatga aagcggctgt ttaggaagaa 250
caggtgctcg agtttggntt ttcattggnt tcatgttgat gtttgggtca 300
c 301

<210> 258
<211> 545
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 18, 34, 61, 114, 157, 190, 193, 201, 280, 331, 389, 403, 422,
428, 488
<223> unknown base

<400> 258
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agttttattc ntgcctttga aaatgggtcc aaaagtagac cctgtcccca 100
cacagggtcaa gacnacagag aaggctttgt agaaatgtgt cacctatgta 150
cacctgntac ttacacattt cctcttttgg aaaaatgagn tanttagaat 200
nacaagaaaa ttaagacata ctggcctggg gccagcagat ggcttttcta 250
tagacaaact aggttagtgt ggaagatatn ggttaaaata aactatgctg 300
ttttatttat cttcccaacc tgattggcag ntagactttt ttagggcttc 350
atttaatggc cctgtttttt tcattattat atttaatgnt agggcaggat 400
ttngtatgca agctcttggt tntcaggntg cctgcagaag aagtcgctat 450
aaattatctg ttgtctacat ggtacaaggc ccattgantic atctgatgct 500
tgttttgtta atttctttaa tattttttatc acgggggcagt gggag 545

<210> 259
<211> 535
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 12, 27, 30, 35, 177, 190, 212, 238, 272, 303, 386, 514
<223> unknown base

<400> 259

aatggcggtg tntacagtgt tctgganttn gtcgntgatg cttgctctgt 50
caaggcacag cctattgtct cctttgctca gtgtgacatc attcagacgc 100
ttttacagag gtgacagccc aacagattcc caaaaggaca tgattgaaat 150
ccctttgcct ccatggcagg agagaantga tgaatccatn gaaacccaaa 200
gagcccgct gntctatgag agcagaaaga ggggaatntt ggaaaagtgc 250
caggtagtgg agtaaaaaag gngacagttt atttttttat tctatgtgca 300
canttacagt atacatatat atttatatca caatttacga aacccaaaag 350
ttgagtttcc aatggaaccc ttgtttttta ataatngact ttttaaagt 400
gatcaagact ataattattgt acagttatta tagggctttt ggggaagggg 450
aggatagcga gaagatgctc tggggggttt gtttttgctt ttccttcagg 500
gttttatttt tgantgtttt gttttcttgt tggcc 535

<210> 260

<211> 519

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 11, 69, 150, 224, 229, 254, 354, 371, 396, 420, 429, 433, 475,
483, 486

<223> unknown base

<400> 260

tggatttata nttttcttct atgtagttac tataaaagtg tgctggattt 50
gaccaatcct tacccccant ataaagagaa cccgtgatga ctttagttta 100
aaaattgtgg aaattgtgga gcaatttttc tcacaatgtg agaaaaattn 150
taaaccatat tagataatgt ggaagtcata ttgtctatca tatatactgc 200
catttaaaaa taggttttta aaanttagnt aagtcttaag taatttgccg 250
ttgntaataa ttttatctcc ttgagtcggg tggtggggag agatgttata 300
ttcaataatt tttagttatt ttgtaatgca gagtgtttat tcatttcaca 350
gttntgcaat ggatgtagta ntttgggatt gccctgtcca gaaaantttc 400
aggtacacac ctttaaaggn aaatgtttnt atntcagatg aaacatgtaa 450
tttgggatgg ttcttccttt gtcanttaaa ggnagntagg aaaagtctct 500
taccactttt aaacatgag 519

<210> 261

<211> 407

<212> DNA

<213> Homo Sapien

<220>

<221> unsure
<222> 30, 40, 58, 102, 104, 148, 171, 190, 201, 226, 243, 295, 302,
332, 360, 380, 383
<223> unknown base

<400> 261
tctgtggtca acgggggtcat ctttaaagtgn ttggccgtgn ttgccctgtc 50
atcccacntg agaaccatgc tcaccgaccc tggggcagta cccaaaggaa 100
angntacgaa agaatacatg gagagcttgc agctgaagcc cggggaantc 150
atttacaagt gcccgaagtg ntgctgtatt aaacccgagn gggcccacca 200
ntgcagtatt tgcaaaagat gtattnggaa aatggatcat cantgcccgt 250
gggtgaacaa ttgtgttaga gaaaagaatc aaagattttt tgtgntcttc 300
antatgtata tagctctgtc ttcagtccat gntctgatec tttgtggatt 350
tcagttcatn tcctgtgtcc gagggcagtn gantgaatgc agtgattttt 400
cacctcc 407

<210> 262
<211> 513
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25, 35, 37, 64, 182, 211, 263, 329, 398, 410
<223> unknown base

<400> 262
cattcttgaa ccacttaatc ctctnttgac aacantngta gaacagaatc 50
ctgaagatat gggngaccta tacctagatg ttgctgaagc ttttctggat 100
gttggtgaat ataattctgc acttcccctc ctcatgctc ttgtttgctc 150
tgaaagatac aaccttgag tagtttggct tngtcatgca gaatgtttaa 200
aggccttagg ntatatggag cgagctgctg aaagctatgg caaggtgggt 250
gatctggccc cantccattt ggatgcaagg atttcacttt ctacccttca 300
gcagcagctg ggccagcctg agaaagctnt ggaagctctg gaaccaatgt 350
atgatccaga tacttttagca caggatgcaa atgctgcaca gcaggaantg 400
aagttattgn ttcacgttc tactctgttg ttttcacaag gcaaaatgta 450
tggttatgtg gataccttac ttactatggt agccatgctt ttaaaggtag 500
caatgaatcg agc 513

<210> 263
<211> 650
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 37, 62, 71
<223> unknown base

<400> 263
ttgagacctg gatgaacaaa tttatatcct ttccttngag gaagaagcac 50
tccagagacg antaaatggg ntgtcttcat cgggtggaata caacataatg 100
gagttggaac agaacttgaa aatgtaaaga ctcttaagac aaaattagag 150
aggcgaaaaa aggcttcagc atgggaaaga aatttggtgt atcccgtgt 200
tatggttctc cttcttattg agacatccat ctcggtcctc ttggtggctt 250
gtaatatctt ttgcctattg gttgatgaaa cagcaatgcc aaaaggaaca 300
agggggcctg gaataggaaa tgccctctctt tctacgtttg gttttgtggg 350
agctgcgctt gaaatcattt tgattttcta tcttatggtg tcctctgttg 400
tcggcttcta tagccttcga ttttttgga actttactcc caagaaagat 450
gacacaacta tgacaaagat cattggaaat tgtgtgtcca tcttggtttt 500
gagctctgct ctgcctgtga tgtcgagaac actgggaatc actagatttg 550
atctacttgg cgactttgga aggtttaatt ggctgggaaa tttctatatt 600
gtattatcct acaatttgct ttttgctatt gtgacaacat tgtgtctggt 650

<210> 264
<211> 441
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 79, 106, 160
<223> unknown base

<400> 264
tttttttggg agagatgggg tttcgccatg ttgcccaagc tgttcttgaa 50
ctcccgggct caagtgatec gcctccctng gcctcccaga gtgctgggat 100
tacagncacg gaccaccatg cccagcctcc acatcttttt ttgcactgtg 150
tatactcttn tgagacatgc caacttcctc caggtcaaga aaggggtata 200
tagctctcag cttcactctt tcagggtga tgcgccttt gccttttctc 250
acttcactga cctgtctatt cctacaactg tctctttcta gagaagcctc 300
aatgatcagg attgacaggc cacactctcc cccaccattt ttttctcctc 350
cttcaagcct cttgtctggt tcaccctctt ccaccttgga ggctgaggtc 400
ttatttgact cttcacctga attgaccttc ttccttccca c 441

<210> 265
<211> 201
<212> DNA
<213> Homo Sapien

ttcttaagta actgacccag ccctttgccc ccacccttgg ggtaccgaga 300
 catgggtagg gattagaggc aagagtggag agtcagacca tccaggaacc 350
 acatnttttg accttcagaa ggaggacaac atggcctttg gaaagcctgc 400
 caagtactgg aagttggacc ctgntcaggt ntatgctagc gggcccaang 450
 catgggacac ggctntgcan gacgcctntg aggagtacaa gcaccgcatg 500
 cacaatntnt gctgtgacaa atnccantng cangtggcat tggccctgaa 550
 tctgatgcn tacaacaaca gcaccaantg gaatatgggtg acgctctgct 600
 tcttctgcct gctntacggg aagtacgtca gcgttggggc cttngtgaag 650
 acctggctgc ccttcacctt tctcctgggc atcatcagcg gccgccgtaa 700

<210> 268
 <211> 253
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 49, 120, 181
 <223> unknown base

<400> 268
 gaatctgttt ccaaaaaaaaa aagctttaag aagtcttttag atttacagnt 50
 aagcatattc taaatactat gtgatgaatt atttctctta tgttaaaaaa 100
 aatattaatt tggacceaan tatgactgtg ggtattctgc ccagggaaga 150
 agagctagga ggtttaaacc ttaccttgga nttgctgctt tgttttctat 200
 gccttcttga cagaaggatt tatttcactt ccgaaatatt agccataatg 250
 ccc 253

<210> 269
 <211> 659
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 20, 33, 58, 200, 240, 403
 <223> unknown base

<400> 269
 cactaggaaa aattgaaatn ctattggaaa ttnttttggc caciaaggta 50
 aataggnta ccaggggaaa caggcatcaa gaaaattgcc ccaattttta 100
 aaacaatagg gttatttgag tagttgagtt taagaaatga aaaccacaaa 150
 ttttgggtgga acttaaacac cacagtctat ttgtgtgtaa tttctcaggn 200
 tttattatag ttcatgataa aatcaatttt ccatgtctan tttgtttttc 250
 ttcaacaagt gatctatctt ttacaaaagg gaatatattg ctggagaaat 300

gctcattggt tcccttctgt atgtctttga gggtaatgct aaaagcaagc 350
tcaaatttca aaatatgtta tttttaaaat attttatata ggatttggtta 400
aanttatagt tttcaaggat tgtcttttgt ttctttggat tctgattaag 450
tgatttttaa tgtattcctt taaaaatatt tattggcaca ttgtatttgt 500
acatattgat gggataaaat tgatgcttct gtacatatat atttggcata 550
atcatcaaat ttgggtatth agcttattca tcacctcatt catttatcat 600
ttctttatgg tgagaacatt caaaagtctc tcttccagct attttataat 650
atattatac 659

<210> 270
<211> 628
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 51, 106, 111, 120, 140, 378, 513
<223> unknown base

<400> 270
ttcggagaa gcacctcaga gggattaagc tcctgagaat gttacctgca 50
ntataacctga tggcgtgccca atagatatca cagtgaagtt gatggctctc 100
ccttgnacat ntcaacattn ttgaaccact taatcctctn ttgacaacac 150
tagtagaaca gaatcctgaa gatatgggag acctatacct agatgttgct 200
gaagcttttc tggatgttgg tgaatataat tctgcacttc cctcctcag 250
tgctcttgtt tgctctgaaa gatacaacct tgcagtagtt tggtctcgtc 300
atgcagaatg tttaaaggcc ttaggctata tggagcgagc tgctgaaagc 350
tatggcaagg tggttgatct ggccccantc catttggatg caaggatttc 400
actttctacc cttcagcagc agctggggcca gcctgagaaa gctctggaag 450
ctctggaacc aatgtatgat ccagatactt tagcacagga tgcaaatgct 500
gcacagcagg aantgaagtt attgcttcat cgttctactc tgttgttttc 550
acaaggcaaa atgtatggtt atgtggatac cttacttact atgttagcca 600
tgctttttaa ggtagcaatg aatcgagc 628

<210> 271
<211> 585
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 71, 76, 86, 91, 162, 220, 269, 281
<223> unknown base

<400> 271

<213> Homo Sapien

<220>

<221> unsure

<222> 26, 44, 60, 107, 114, 234

<223> unknown base

<400> 273

tgaagttgaa ttgaatgata tgaggntttt ctttcccaag gtcnaccagg 50
accaagattt ttttatagtt ataagccttg aaagaaattc ttgcaagggtg 100
ttggacnctt actnaagcag agaagatgtc ctttgaaact cagaaacgaa 150
ccttgggtaca gaaaatcagt atttaaggcc cagaacttat tgaaagcgca 200
atgtacttct accgtgccac gggggatccc accntcctag aactcggaag 250
agatgctgtg gaatccattg aaaaaatcag caagggtggag tgcggatttg 300
caacaatcaa agatctgcga gaccacaagc tggacaaccg catggagtcg 350
ttcttcctgg ccgagactgt gaaatacctc tacctcctgt ttgaccaaac 400
caacttcatt cacaacaatg ggtccacctt cgacgcggtg atcacccctt 450
atggggagtg catcctgggg gctggggggg acatcttcaa cacagaagct 500
caccccatcg accctgccgc cctgcactgc tgccagaggc tgaaggaaga 550
gcagtgggag gtggaggact tgatgaggga attctactct ctcaaacgga 600
gcaggtcgaa atttcagaaa aacactgtta gttcggg 637

<210> 274

<211> 697

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 26, 59, 66

<223> unknown base

<400> 274

tatgggcata gaaaaccctg gaaagnccca tccaccatta tatatagagt 50
gattgtctnt gcttgntgag ctaacagggg tgtcaagctt ccattttggt 100
atctacttct aaatacactc agaccaggag aaatttggac taattttcaa 150
actacagaca ctttctaata atgatgcatt tcaaaagtgg actcgaatta 200
actgagttgc aaaacatgac agtgcccgag gatgataaca ttagcaatga 250
ctccaatgat ttcaccgaag tagaaaatgg tcagataaat agcaagttta 300
tttctgatcg tgaaagtaga agaagtctca caaacagcca ttggaaaaaa 350
aagaagtgtg atgagtatat tccaggtaca acctccttag gcatgtctgt 400
ttttaaccta agcaacgcca ttatgggcag tgggattttg ggactgcctt 450
ttgccttggc aaacactgga atcctacttt ttctggtact ttgacttca 500

gtgacattgc tgtctatata ttcaataaac ctctattga tctgttcaaa 550
 agaaacaggc tgcattggtgt atgaaaagct gggggaacaa gtctttggca 600
 ccacagggaa gttcgtaatc tttggagcca cctctctaca gaacactgga 650
 gcaatgctga gctacctctt catcgtaaaa aatgaactac cctctgc 697

<210> 275
 <211> 621
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 48, 82, 136
 <223> unknown base

<400> 275
 tgggacacgg gttaccccaa gngcagcgt ggcaaggcct tcatgatntc 50
 ggtgtgctct acgtgaccaa ttcccacctg gntggggcaa ggtctacttc 100
 gcctatttta ccaacacgtc cagttagagt acacgnacgt gcccttccac 150
 aaccagtatt cccacatctc gatgctggat tacaaccccc gggagcgcgc 200
 cctctatacc tggacaacg gccaccaggt gctctacaat gtcaccctgt 250
 ttcacgtcat cagcacctct ggggaccct gagccaatgc tgtggctcgg 300
 gctgctgcct ggggggcctc cgggggctgg gggccctttt cattctgcct 350
 gtgtccctca aggggtgatct ctctgtctct gtcacgcct ttctccccgc 400
 ctttttgcgt ggcttttgtt ctctgcctat gtatttctgt ctattttttc 450
 aatttccct cttctccttt attgatctct gcttttaata caccatttct 500
 ttctttctgc ctttttatgg atgtcttttt ctttttatgg ctctggttct 550
 ccagttcttt ccgtctctgc ctctctctgt ctctctctct ctgtccttcc 600
 acccctccct ccttgcttcc c 621

<210> 276
 <211> 570
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 5, 28, 71, 73, 86, 126
 <223> unknown base

<400> 276
 cgaangcgtg ggtgtgcatc cgggtgtntg aaggctgtgc ccgttttgtt 50
 tcttggttaa aatcggggga ntnaggcggg ccggcncggc gcgacaccgg 100
 gctccggaac cactgcacga cgggntgga ctgacctgaa aaaaatgtct 150
 ggatttctag agggcttgag atgctcagaa tgcattgact ggggggaaaa 200

gcgcaatact attgcttcca ttgctgctgg tgtactatth tttacaggct 250
 ggtggattat catagatgca gctggtatth atcccacat gaaagatttc 300
 aaccactcat accatgcctg tgggtgtata gcaaccatag ccttcctaata 350
 gattaatgca gtatcgaatg gacaagtccg aggtgatagt tacagtgaag 400
 gttgtctggg tcaaacaggt gctcgcattt ggcttttcgt tggtttcattg 450
 ttggcctttg gatctctgat tgcattctatg tggattcttt ttggagggtta 500
 tgttgctaaa gaaaaagaca tagtatcccc tggaattgct gtatttttcc 550
 agaatgcctt catctttaata 570

<210> 277
 <211> 642
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 21, 34, 50, 124, 264, 266, 305, 307, 334, 424, 458, 501, 582,
 613, 638
 <223> unknown base

<400> 277
 agtttccttt aaattggggt nggggtgtta agcncatgaaa atatctttcn 50
 tgattacttt accatgtgga catatgggat aaatactgta tttcagattt 100
 acataaaaagt agattagtaa tgcncagctt tcagaataaaa aactgataaaa 150
 aaagaccaag cactatcaac tttggacagt aatttcttag gtgttaaaca 200
 agttttctga atacaatctg gatgcaaaaac ggcttgattt gatgaattca 250
 taattttctt ctgnanactt tcatttttatt aaatatttta ttacttggtt 300
 aaacnncaga attatctatg taaacttcat gggntttttt gttgaaagtt 350
 agatgttcag taactaattt cccagttatg gcccagaatt aaacatttat 400
 gatcatattt cagaagtcaa aatncaaaac tggattatca aaacgggttg 450
 tgtggtcnct ttaaactgga ctatcagtat ggttgccgtg gtcactttaa 500
 ncgggattat cagtacggtt ggtgtggtca ctttggttta tcatcaatac 550
 agttggtgtg gtcactttaa actggattac cnatatggtt ggtgtggtcg 600
 ctttaaagtt tgnnttcatt tttttctatt ttttaattntt ac 642

<210> 278
 <211> 434
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 19, 146, 162, 199, 203, 225, 245, 271, 286, 298, 323, 328, 359,
 368, 431

<223> unknown base

<400> 278

ttgggtttttc tgttctgng ttagtttgct gacttaagag gatacagact 50
tgaggataaa tttgtcttag tcagttttgt gttgctataa cagaatacct 100
gagactaggt aatttataaa aataaagttt atttggctca tgattntgga 150
gctggaaagt cnagattggg cagcccatat gatgaggggt gcacacttnt 200
tcnatttatg gcagaaagt gaaanggaag caggtgtgtc caaanagaca 250
tgcaggagag gttggagtca ntgctctctc aggaantaat tcattctnta 300
gagagtgaga actcacttaa ctnttgcna agggcattaa tctattcacc 350
catgaaacna acaccctnca gtagactcca ccatttaaca ctgccatatt 400
gggaatcaaa tttcaacatg agttttggca nggg 434

<210> 279

<211> 335

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 140, 178, 241, 244, 247, 264, 314, 321, 326

<223> unknown base

<400> 279

cctttggaaa ctgggattaa tgtatgctct agatccattt attagaaatg 50
caaaaataact acaatttttt gatggatgaa aatactcctg taacacaaac 100
agagaactgg aggaactgaa gaataactca ctcatatagn tctgcctcat 150
tctgtgtgtg tgtgcatgtg tgtgttanca gaggtatttt actcagaaaa 200
taggtttcaa agaacttaa tgactttctt ttccctttta ngntngntta 250
atcagttaaa ctgntatggg aaaagtttta tagaactata taacctgaat 300
gttggctctt ttgnacacat nttttntatg actgc 335

<210> 280

<211> 254

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 29, 135, 140, 143, 163, 190, 207, 209, 219, 221, 241

<223> unknown base

<400> 280

tgtggctcta atatcataga tcactttana tgtgatttgt ttcagttgtt 50
gacacttgcc tgcacggaca cccacatcct gggcctttta gttaccctca 100
acagtgggat gatgtgtgtg gccatctttc ttatnttaan tngtccctac 150
acggtcatcc tangtccct gaagttttac agctttaaan ggcggcacia 200

agccctntnt acctgcagnt nccacctcac ggtggttgta ntgttctttg 250

tccc 254

<210> 281

<211> 402

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 25, 96, 205, 265, 331, 334, 337

<223> unknown base

<400> 281

tggttccagg tcaccatcct tagcntcaaa ttcataaaat ggttgcttct 50

acctccagcc tgatatacctt gtgatgggca ggcagaacca gggctntaag 100

gaaaggagcc agcacctgta tcaagaagcc aaagccttcc ctgaaatctt 150

tagcagacgt ctgcttgtga ctatttggct agaactttgt gacatggcca 200

ctccttgctg caaggacatt tacagttttt cagttgggccc cattgccacc 250

ctgagcaaag ggtcnataag gaagaagacg gagagtggac atgttgggca 300

ttcacctgcc agcactccat ccagacagcc ncanaantgg tgggtaaaca 350

gagacagcat acattcactt atcaactggt tagtaaattc ctggcatggg 400

ca 402

<210> 282

<211> 515

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 56, 176, 217, 231, 253, 282, 287, 337, 350, 352, 364, 403, 452

<223> unknown base

<400> 282

agcccagatc caggaaccat tcctatttca ggattttgaa tgcaaaactt 50

accttnttac tctaaagatg aatgtcaggg agagatttat tcaaccctga 100

gatttttgca gtctccttca gagtcacaga atagattaag gcctgatgat 150

actcaaaggc ctgggaaaac tgatgncaaa gaattttcag tgccctggca 200

cctcattgca gtgactnttg ggatcctctg nttacttctt ctgatgatag 250

tcncagtgtt ggtgacaaat atctttcagt gnattcnaga aaaacatcaa 300

cggcaggaaa ttttaagaaa ctgtagtgaa aagtacntca tgcaaaatgn 350

cnactactta aanagcaga ttttgacaaa taagacttta aaatatgacg 400

ttntcaaaaa tagctttcag cagaaaaagg aactggattc acgccttata 450

cnaaagaaca gatgtcatag agaaaatgag atcattttta aagttttgca 500

aaatacaggc aaatt 515

<210> 283
<211> 433
<212> DNA
<213> Homo Sapien

<400> 283
aggaatgacc ttcctcaggg ggctgaggat accccacagg cctcctttct 50
ctccagctcc agggtttgac tatgcaccta tttaggggct gcttgctcaa 100
gggagagagg tacaggaggt ggtctgggaa aaacaaaatt gatcttccta 150
tcaattgtat ttttgtttag cggaatctat acacacccat ttctttggat 200
attatttcca gttactccag ctaatccaaa taatgatatt tgcctcagt 250
taagaacaga ttttatTTTT aggaacagaa gtctagtagc agttttgctt 300
tttattaacg ttttaaggaa catttacctt agatatcatg attcttgggc 350
atttgcaaaa tgcagtcaat atcaaacagc aatgggttgct tgttttatga 400
tcggtcagaa tttgtccctt atattaattt cag 433

<210> 284
<211> 496
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 83
<223> unknown base

<400> 284
gccccgagtt tctgtcgcag gttgcgagga aaggccccta ggctgggtct 50
gggtgcttgg cggcggcggc ttctccccg ctngtcctcc ccgggcccag 100
aggcacctcg gcttcagtca tgctgagcag agtatggaag cacctgacta 150
cgaagtgcta tccgtgcgag aacagctatt ccacgagagg atccgcgagt 200
gtattatatc aacacttctg tttgcaacac tgtacatcct ctgccacatc 250
ttcctgacct gcttcaagaa gcctgctgag ttcaccacag tggatgatga 300
agatgccacc gtcaacaaga ttgcgctcga gctgtgcacc tttaccctgg 350
caattgccct ggggtgctgc ctgctcctgc ccttctccat catcagcaat 400
gaggtgctgc tctccctgcc tcggaactac tacatccagt ggctcaacgg 450
ctccctcatc catggcctct ggaaccttgt ttttctcttc tccaac 496

<210> 285
<211> 566
<212> DNA
<213> Homo Sapien

<220>

<221> unsure
<222> 12
<223> unknown base

<400> 285
athtagattt gnatctcttc ccatcaatca tgaatacata aggtaatt 50
ttatagttgg aaagcattgc ttaatattt gaatcaataa aaatattgat 100
ttcatatatt taatttttat aatctttaca gattacaata ctgtgatgag 150
actgttcttg taacttttga tccacacaca gaatttcttg gtcctcagaa 200
gaaaacagaa caagtccaaa gagacattgg attttggtgt ccaaggcatc 250
ttaagacttc tgggggacaa ggatataagt ttctgggaat tgaccagtgt 300
gcgcctccat gcccacacat gtatttttaa agtgatgagc tagagtttgc 350
aaaaagtttt attggaacag tttcaatatt ttgtctttgt gcaactctgt 400
tcacattcct tactttttta attgatgtta gaagattcag ataccagag 450
agaccaatta tatattactc tgtctgttac agcattgtat ctcttatgta 500
cttcattgga tttttgctag gcgatagcac agcctgcaat aaggcagatg 550
agaagctaga acttgg 566

<210> 286
<211> 570
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 7, 46, 111, 121, 176, 185, 212, 221, 236, 239, 267, 308, 329,
371, 393, 399, 405, 412, 417, 423, 427, 486, 490, 495, 517, 524,
531, 533, 544
<223> unknown base

<400> 286
cgttaanacg agcctgccag taaatgtagc catcatgttc agtaanggcc 50
ttgcaaaaca gattaccctt tcaccttttc acttaattgt ctacctatga 100
atcattaatg ntttggtttg nttttaattc tgtgatagggt aggaaaggat 150
ggaactcctt ggcagactag tggtanaaag ttttngaagc agggtgagtc 200
ttgtaccttt gnggtcctgt ntcacagaca cctgtntant cctgaccct 250
tttaaattgt aactttntgc ctgtaggaaa tcttcccttt gtgcttaggt 300
ctttttcttc tgtgagcttt agataaacna cctagtgttt aaacttttta 350
ataagggatt cattttttta nacatgagaa ttcatttcaa aantttggnt 400
ttagntatct antttantct acntggntct ttttcagaca gatgttctct 450
cctggattgt aaaagtcgaa ttcaaaggat ttttanttgn aatanactta 500
acctttctct tgtaagntgc catntgtgta nanacagctt tgantgcctg 550

acaagaggaa aatgtttccc 570

<210> 287

<211> 556

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 40, 80, 179, 195, 203, 263, 304, 310, 313, 427, 437

<223> unknown base

<400> 287

aactgtcttt aatggcccag ttttaccagg gcttggtgtn taaggacatt 50

aacttggtgt cccctcaggg atggggttan tactagctgt cagaaagcta 100

ttgggtatcc taatgtgtta atagctgaaa ctgagctgta atttctccta 150

aatacttcag cattttgcat tctgtacant gtggtgcttt ttcnccttg 200

tantgttcta actgtaagct cctagggggc agcaatttgg ataaatcttt 250

tggttaagtag ttntcaataa aatatcttcc ctccccatac ccctaccgga 300

aatnttatan tgntctttac aaaactttgg tcaagagtag aaatatatcc 350

aggcagatgt atatgccata caatagcaag aacagtaaag cccaactaat 400

gattttgagt tttaaaaata gaaggcnatt aaaatgnact caaagttaca 450

ttaagaaaag ctttcacggg ggtaaatattg aaacagtcac aaaggttaag 500

aaaatactga tagcagtttt tgtctatttt aacattgtag tcatttgtac 550

tttgat 556

<210> 288

<211> 594

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 73, 113, 215, 252, 257, 263, 267, 269, 277, 287, 293, 297, 302, 310, 457, 506, 521, 554, 584, 591

<223> unknown base

<400> 288

ggattttcgt aagtagttta gagatagtca cattttaaaa atttaagatc 50

aagcaaataga agcttatttt tangtattca tagtataaaa gaccttcagt 100

aaataggtaa tanttttggt ttattctaga aaacagctcc ttgaacacag 150

tgagctggct tttcacacat tgcagttggt agtgtttact gcccttgcca 200

ttttaattat gaggntaaag atgtttttga caccgcacat gtgtgttatg 250

gnttcentga tangctntng acagctnttt ggctggnttt ttngcanagt 300

tngttttgan aaggttatct ttggcatttt aacagtgatg tcaatacaag 350

gttatgcaaa cctccgtaat caatggagca taataggaga atttaataat 400

ttgcctcagg aagaactttt acagtggatc aaatacagta ccacatcaga 450
 tgctgtnttt gcagggtgcca tgcctacaat ggcaagcatc aagctgttta 500
 cacttnatcc cattgtgaat natccacatt acgaagatgc agacttgagg 550
 ggtnggacaa aaatagttta ttttacatat agtngaaaat ntgc 594

<210> 289
 <211> 713
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 70, 96, 106, 113, 119, 134, 227, 299, 384, 421, 430, 454, 464,
 546, 556, 561, 597, 616, 622, 667, 673, 712
 <223> unknown base

<400> 289
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 aaatccgggc cagggttgn tcccggtggt taggattggg ggttanaaat 100
 aaaaantcag gtntatttnt taccagtcag tacnattttt aaagaatgta 150
 cttggtatat aatatatgga cttcaggaac tttattgggg tgggggggta 200
 attttgcctt accctgttca ctttcanatg attaggcttt tgcactttag 250
 aatgagaaac ttgtgacgtt agtgtgttct tactagcttt aatttgtang 300
 tagcaatgaa ttgtgaatct tagtgcagtg ggttttttta aaaaactcaa 350
 aaagctggga attaagtggg ttcagtaata atgntatacc gaggtgcttg 400
 cattgtattt cataattttg ntacaaaccn aaattatttt taatgagaac 450
 agtnttgggt tcanaggtgt gatgccagaa tgtattttcg tactgttagg 500
 cccttggaac agatatcggg gctttttgaa agatgaaaga aatgcnatgg 550
 gtgctnttca ngcaagggtg caaacctacc aagaatgcat aatagtntca 600
 cttttcccca ataaanagat gngtgtgact agttttggac ttttaacctt 650
 aatggggggt gcattgtntcc tantgttaat cattgtcagc tgcagtgaca 700
 tgatccacag tnc 713

<210> 290
 <211> 687
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 26, 38, 49, 71, 81, 191, 257, 270, 276, 323, 343, 385, 407, 416,
 436, 463, 468, 501, 533, 544, 557, 569, 576, 579, 588, 591, 594,
 600, 605, 649, 682
 <223> unknown base

<400> 290

tgcccttntt ttcctggnc c aggtntgtaa ggccancagc tttgcctcat 650

acgtgngcag caggtngtta tgg 673

<210> 292

<211> 663

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 54, 71, 73, 89, 104, 137, 142, 177, 308, 409, 423, 430, 451, 468,
503, 551, 558, 581, 598, 622, 629, 632, 660

<223> unknown base

<400> 292

ctaaccacag ttgaattttt ggagcttggt ggatttgccc attgccagcc 50

caantatggt ggggaaaagt ntntgagtgt cattttgcnt gttgaagctc 100

tggntaatgt gattattgat ctgagaatga atctttntta gntattccaa 150

acttagttat ttttgcagtt ttggtanttt tttcctcatt ggaactccca 200

aaaatccgat tgccttttgcg tgttttttta tttgcctgat aactgaccc 250

ttccttgaca tttatttttag tggactttca gtaactgaaa gatggaaacc 300

ctttttgnac cgtggaagaa tttgcagaag actttcagtc gtttttgctg 350

gaatgattga gcttacattt tttattcttt ccgcattcaa acttagagac 400

actcacctnt ggtattttgt aanacctggn ttttccattt ttggaatttt 450

ntggatgatt tgtcatanta tttttctttt aactctttgg ggattccata 500

ccnaattaaa tgactgccat aaagtatatt ttactcacag gacagattac 550

natagccntg atagaatcat ggcattccaaa nggatgcgcc atttttgntt 600

gatttcagag cagttggtgt tntttagtnt tnttgcaaca gcgattttgg 650

gagcagtttn ccg 663

<210> 293

<211> 603

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 22, 44, 90, 108, 124, 171, 351, 376, 378, 389, 396, 453, 477,
507, 518, 524, 541, 587

<223> unknown base

<400> 293

tccaggattt ttctccctgg tntaagggtcc tggttcacac ccanaggaac 50

cagtttggtc ctgggcaagc cactgcctat aggataaggn aagatcaaatt 100

aatcatntc agggagaaca agnccagcc ttcctcctct attcactcaa 150

acacaccacc caagcaccca ntttggccag actctgtgat ggtccctgcc 200

ctcaaaggac tgttcatggt ctagagatga aagagcccag tcaacagtta 250
 tactgtgtgg tggcggcggg agggtaatca cagggtatTT atgggtacaa 300
 aaaggaggca ccctgacctc accagaaata gctaccctgt gccataggct 350
 ntaggcagac tttactgaca ttgaanance ttttgcagnc aattancaaa 400
 aagactacat gtgtaaatgt gacagaacag ggattcagag cctgaatgtt 450
 tangcctgct ttatcctcat tttgtcnctg tggaggcaga ggtgggaaaa 500
 ctaagtntag aagccatntg agtntgggtg ggagccacct ntatatTTgt 550
 cataagtctc tgatggctct ttggTTtcta gctatanctg tgtccactag 600
 tgc 603

<210> 294
 <211> 704
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 33, 42, 94, 99, 106, 122, 147, 187, 198, 458, 482, 484, 497, 560,
 609, 626, 665, 679, 691
 <223> unknown base

<400> 294
 ttaaggcctt ttaaaatggt ggaaatTTTT ggnacaatta tncggaaatt 50
 tttaatTTTT aaggaatTTT ggaaagtagt ttaaagatag cccntTTTTna 100
 aaattntaag atcaagcaaa tnaagcttat ttttaaggat tcaaagnata 150
 aaagccttca gtaaataggt aaaatTTTtg tttattntag aaaacagntc 200
 cttgacacag tgagtggctt ttcacacatt gcagttgtta atggTTtact 250
 gcccttgcca tttttaatta tgaggctaaa gatgTTTTtg acaccgcaca 300
 tgtgtgttat ggcttccttg atatgctctc gacagctctt tggctggctt 350
 tttcgcagag ttcgTTTTga gaaggttatc tttggcattt taacagtgat 400
 gtcaatacaa ggttatgcaa acctccgtaa tcaatggagc ataataggag 450
 aatttaanaa tttgcctcag gaaaaacttt tncnagtgga tcaaatncag 500
 taccacatca gatgctgtct ttgcaggtgc catgcctaca atggcaagca 550
 tcaagctgtn tacacttcat ccattgtga atcatccaca ttacgaagat 600
 gcagacttna ggcttggttg cagtangctt gaaatctggg atgtggaaga 650
 cccttccaat gcagntaacc cttccttang tagcgtcctg ntcgaagacg 700
 ccag 704

<210> 295
 <211> 504
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 89, 104, 139, 152, 165, 171, 211, 223, 278, 313, 351, 374, 386,
 389, 446, 482, 485, 493
 <223> unknown base

<400> 295
 tccaaaaaaa aaataatgga aaactggaaa gagaaaaatt gtttcaaaaa 50
 ctatagcaca cctggttgta gattcttggtc ttgcctaang tttttcaatt 100
 ttantatddd ctacagtttg gaccgaattc taatdddnt tgactacaag 150
 tnttcaaat aatgntttca ntttttctt cttttttcca tttttttcca 200
 atttggagtc nctgaaaact aanctgtgct ttcataaagc cctgcaaact 250
 gaatctagac aacttcagaa gaaaaatnac agcaacctat ttacatacat 300
 aagccacttt canacctgcc taccgatgta tggacttcag agtaatgtgg 350
 nttatagcaa ttttccagga ttgntctttt gtttgntgnt gttctccctt 400
 cctcccccta ttttgtcttt atgggacatg acacttcaca acctntaaa 450
 aatgagtttt cctaataact caggacctac tngtntagaa atnaaccatc 500
 ctag 504

<210> 296
 <211> 557
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 48, 104, 163, 201, 212, 228, 244, 251, 257, 293, 365, 444, 458,
 465, 495, 526, 538, 552
 <223> unknown base

<400> 296
 tttttttttt ccctttgggc caggtcgggg tatgataggt cggggaanag 50
 ggggcttttg aggcagagc cgaggccgtg gacgaggga aggtgccctt 100
 gctngccctg tattgaccaa ggagcagctg gacaaccaat tggatgcata 150
 tatgtcgaaa achnaaggac acctggatgc tgagttggat gcctacatgg 200
 ngcagacaga tnccgaaacc aatgattnaa gcctgcccac cctnccatga 250
 nagactnttg ttagtcaaca catctgtaaa taaccttgag atnacagatg 300
 agaagaaatc tgattgatgc tggatggacc tatcacaata ggctgtggac 350
 ttacttgcca ccagnttggt catttagtgt gtccctttta ctttttgata 400
 ctgtgttgta tgaaaccctt ttgtcctttg atttggtttt ttgnttttgt 450
 ttttttangg ggganggggg gtttccctc ctttgcccag acttntcttt 500
 gaacacaaat gcattagcct tgtggntaga acacctntt cctacctctg 550

tntcccc 557

<210> 297
<211> 501
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 45
<223> unknown base

<400> 297
ggtaatggaa aaccgcgaat tacatttgaa ccaacctaat agatntaagg 50
aaaagcgctt tccattcgta gcatcagtct ggccacatcc cttgtgagcc 100
actgcgcccg gcttggtggc cgtatttttg gaatgcattt ggagcttggg 150
tcagtagttt ttgttttcat gtgatgtcac caacatgttg cctatacaga 200
ttgaatatcc cttatccaaa atgcttgcaa ccagaagtgt tttggatttt 250
tggaattttt tttggatttt ggaatatctt catgtaaata atgagatttg 300
ttggggatca gactcaagtc taaacatgaa attcgtttat gtttcatata 350
tactttatac acatacctta aaggcagttt tatacagtat tttcaatggt 400
gtgcatgaaa caaagtttgt gttcattgat ccacagaaa gcaaagatgt 450
cactgtctca gccacacgtg gacaatctgg ttggtttagcg tccccatcgt 500
t 501

<210> 298
<211> 515
<212> DNA
<213> Homo Sapien

<400> 298
ggccccgcgt gccgacatgg gaaagtctct ttctcatttg cctttgcatt 50
caagcaaaga agatgcttat gatggagtca catctgaaaa catgaggaat 100
ggactgggta atagtgaagt ccataatgaa gatggaagaa atggagatgt 150
ctctcagttt ccataatgttg aatttacagg aagagatagt gtcacctgcc 200
ctacttgtca gggaacagga agaattccta gggggcaaga aaaccaactg 250
gggcattgat tccatatagt gatcagagat taaggccaag aagaacaaag 300
ctgtatgtga tggcttctgt gtttgtctgt ctactccttt ctggattggc 350
tgtgtttttc cttttccctc gctctatcga cgtgaaatac attggtgtaa 400
aatcagccta tgtcagttat gatgttcaga agcgtacaat ttatttaaatt 450
atcacaacaa cactaaatat aacaaacaat aactattact ctgtcgaagt 500
tgaaaccgaa cccct 515

<210> 299

<211> 481
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 168
<223> unknown base

<400> 299
gagcggagcc ggcggagcct ctggaatcac ccgggtcgct gttcctgagc 50
agctgcagag catcgagggc tggagaggag cacatactgt ccatggagct 100
ggtggtcaag gtggacaggg gcggtggtga tggcgcagtt tgacactgaa 150
taccagcgcc tagaggcntc ctatagtgat tcacccccag ggaggaggac 200
ctgttggtgc acgtcgccga ggggagcaag tcaccttggc accatattga 250
aaaccttgac ctcttcttct ctcgagttta taatctgcac cagaagaatg 300
gcttcacatg tatgctcatc ggggagatct ttgagctcat gcagttcctc 350
tttgtggttg ccttcactac cttcctggtc agctgcgtgg actatgacat 400
cctatttgcc aacaagatgg tgaaccacag tcttcaccct actgaaccgc 450
tcaaggtcac tctgccagac gcctttttgc c 481

<210> 300
<211> 468
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 132, 197, 209, 218, 235, 238, 285, 344, 365, 457
<223> unknown base

<400> 300
tatggaacag cctccttttg acancagtta cgggctggtg gtggcagggc 50
ctgttctggt cctgggagcc atcatcggtg actgggtgga caagaatggt 100
agacttaaag tggcccagac ctcgctggtg gnacagaatg tttcagtcac 150
cctgtgtgga atcatcctga tgatgggtttt cttacataaa catgagnttc 200
tgaccatgna ccatggangg gttctcactt cctgntanat cctgatcatc 250
actattgcaa atattgcaaa tttggccagt actgntactg caatcacaat 300
ccaaagggat tggattgttg ttgttgcagg agaagacaga agcnaactag 350
caaatatgaa tgccncaata cgaaggattg accagttaac caacatttta 400
gcccccatgg ctgttggcca gattatgaca tttggctccc cagtcacgcg 450
ctgtggnttt atttcggg 468

<210> 301
<211> 466
<212> DNA

<213> Homo Sapien

<400> 301

accgcctgac cgtgctggct ggtgcaatgc ttgccttggg actaatgaca 50
tgcttgctcag ttttggttgg ctatgccacc acagtcattcc ccagggtcta 100
tacatactat gtttcaactg tattatttgc catttttggc attagaatgc 150
ttcgggaagg cttaaagatg agccctgatg agggtaaga ggaactggaa 200
gaagttcaag ctgaattaaa gaagaaagat gaagaatttc aacgaaccaa 250
acttttaaat ggaccgggag atgttgaaac gggtaacaagc ataacagtac 300
ctcagaaaaa gtggttgcac tttatttcac ccatttttgt tcaagctctt 350
acattaacat tcttagcaga atgggggtgat cgctctcaac taactacaat 400
tgtattggca gctagagagg acccctatgg ttagccgtg ggtggaactg 450
tgggcgaacc ccttgc 466

<210> 302

<211> 648

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 10, 15

<223> unknown base

<400> 302

tcgaacccan ggggnccgcc gaacgcgtgg gaccatatag agaaatagca 50
tgaatatttt tattaggaga tgtttcaaag actgtattcc aatgggttaa 100
ggaaagtcca aaacctcttt aaggaacact gcaagttgag cctctgctgt 150
tttaataggt aggtgacctt gcctgagtca gtctttttga atttcaattt 200
tctaattcttt aaaatgaggt ttttggtgat ccctcagttt cctttcagct 250
ctggaatttg gtgggtaagt taccttgaat gtgtatcttt tcttgttaaa 300
attttaaaaa acaatataga aggaaacaaa tcctttttac tcctattttt 350
tagaaataac ccctaaacct ggtaatatat tgacgtgttt ttttcaaact 400
tgtctgtgca ttttttaaag gagcttctgt cgtatatagt tatgccctgc 450
ttttgtgtgc atgttaagca tttggtatgt tatttttaaag tggaatgcct 500
tgaagaatga atcagtcaga cctactgtta acattttgat gtatttcaga 550
ctgacttaca attttttgggt atttgatatt atgtataatt ataccctgca 600
tttacttagc atattaagga tttttttata tgtaatttta aagtggaa 648

<210> 303

<211> 444

<212> DNA

<213> Homo Sapien

<220>
<221> unsure
<222> 83, 103
<223> unknown base

<400> 303
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tttgttttat tctagaaaac agctccttga acncagtaag ctggcttttc 100
acncattgcc agtggtaagt gtttactgcc cttgccatct taattatgag 150
gctaaagatg tttttgacac cgcacatgtg tggtatggct tccttgatat 200
gctctcgaca gctctttggc tggctttttc gcagagttcg ttttgagaag 250
gttatctttg gcattttaac agtgaatgtc atacaagggt atgcaaacct 300
ccgtaatcaa tggagcataa taggagaatt taataatttg cctcaggaag 350
aacttttaca gtggatcaaa tacagtacca catcagatgc tgtctttgca 400
ggtgccatgc ctacaatggc aagcatcaag ctgtctacac ttca 444

<210> 304
<211> 427
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 81
<223> unknown base

<400> 304
atgaaatcct gctttctttt cctcagaact actatattca gtggctaaat 50
ggctccctga ttcattggtg tggaaatctg nttccctttt ttccaacctt 100
tggttaattg gaattgatgc cttttgcctt tttctttctg gaatcagaag 150
gctttgctgg cctgaaaaag ggaatccgag cccgcatttt agagactttg 200
gtcatgcttc ttcttcttgc gttactcatt cttgggatag tgtgggtagc 250
ttcagcactc attgacaacg atgccgcaag catggaatct ttatatgatc 300
tctgggagtt ctatctacce tatttatatt cctgtatatc attgatggga 350
tggttggtac ttctcttggt tacaccagtt ggcctttctc gtatgttcac 400
agtgatgggt cagttgctag tgaagcc 427

<210> 305
<211> 600
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 14, 19, 27, 54, 65, 126
<223> unknown base

<400> 305

atagtattaa gtcnattgng caagtgnagc cttagaagat ttggagtgtt 50
tttnactctt tttcntggtg gcttagaatt ttctccaaga aaagttaaga 100
aaggtgtgaa gatttcctta caaggncctg gtacatgaca ctgttaatga 150
ttgcatttgg cttgctgtgg gggcatctct tgcggatcaa acccacgcag 200
agcgtcttca tttccacgtg tctgtccttg tcaagcacac cctcgtgtc 250
caggttcctc atgggcagtg ctcggggtga caaagaaggc gacattgact 300
acagcacctg gctcctcggc atgctggtac gcaggacgtg cagctcgggc 350
tcttcattgg cgtcatgccg actctcatac aggcggggcg cagtgcattc 400
tctagcattg tctgtggaagt tctccgaatc ctggttttga ttggtcagat 450
tcttttttca ctacggcgcg tttttctttt atgtcttggt ataaagaagt 500
atctcattgg accctattat cggaagctgc acatggaaag caaggggaac 550
aaagaaatcc tgatcttggg aatatctgcc tttatcttct taatgttaac 600

<210> 306

<211> 492

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 120, 215

<223> unknown base

<400> 306

aacctatata aaatagtttt tagcagttta tagctgtgac catcaagtca 50
gataatttgg gatgttcaca gagagctctg ggtgattatg acagtgacca 100
cccacatctc ttatttgtn tgcttcattt ctctactagg gagaggaggt 150
catataatat atggtatttt tatgttattt tagataaatc catatcaaca 200
cagcacagga gaacnaatta taccctctgg tagattttgg ggtataaacg 250
tcatgaaatg tttctcagaa agtgagaaat atttcttgat tgtatcttta 300
aaattaatgc aaaattgtta tggtactcca taatttattt gtgtgcatta 350
ctgtaagggt catgtgtatt catattaaat tttttctttt aaaaattggg 400
ttcaatgaat tatctaggat gattgcattg tttgtggcat caagtgttgt 450
ttctcccttt ccataccaag catatcctgc ttttggtaca gg 492

<210> 307

<211> 495

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 19, 49, 65, 158, 178, 211, 218, 221, 225

<223> unknown base

<400> 307

ttacttgtga gtatcatcnt gtcctttaat cctgtaccct aaaataagna 50
atacattttt gacanaggct taatgtttta acaaaagagt gtggacattt 100
ttatttttaa atttaggcaa aagtcactat caaatgggtg cttatttgtc 150
tcacacanc c atagtttt tcttggangg ttttgttttg ttgttgttga 200
aaagactttg nttacagnta natgnaacct ttttatagaa aaaaaaatt 250
gttgaaagggt ccagttctca gtaccatgtg agttaatgat actacaacta 300
agttcttttt aaaaagtgat taatgtattt tataaattac cttttcacat 350
atgcaaaatc tgtttctact acaatgttat ttttactaat gccttattgt 400
tgcactcttt ttgaaatatc ctgcagtga tatatgaatc aatttgggct 450
taaaactgaa agccagttgg ctgaaagggt tgaaatacgt acccc 495

<210> 308

<211> 478

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 18, 43, 154

<223> unknown base

<400> 308

ttctttcttt tcccatntc attcattcag gtccttttcg canaagtgag 50
gtatttagat aatcaaaacc ccacacaaga cctcaacagc aaatacagat 100
gaaatgtaat tattatttca attaaaaagg gaataatatt tgtaggcat 150
tgtnaccagt attctctcgt tttaactagt tttgctgcat ttaaattaag 200
tgctgctctt cagcttttgt gtacagctat aagtgcacat tggaatttat 250
atgtatatat atagagagag agagagagag agagaaaatg actgctgggt 300
cagtgtgtgt cctcagatc ataccactac gaggcctca gcctggaaaa 350
gctaaccatg aaattgataa caatacgctt ttggaaatga aatcaggtaa 400
gaatcacata tgtttgaaat tgtttaaaat aacattgtca tatttcttgt 450
gttatctgggt tgctgggtta tctctttg 478

<210> 309

<211> 469

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 24, 132, 155

<223> unknown base

<400> 309
 gtggcccgtc tggctagtcc tgtntaagcg cgcccatttc gagcccaagt 50
 ttccagctcg ggtttccggg ctccagaattt tccaggagtg ggttcttggg 100
 cagtggctgt ggaacaggaa tggcgcagct anagggttac tgtttctcgc 150
 cgcenttgag ctgtaccttt ttagtgtcct gctcctctt ctccgccttc 200
 agccggggcgc tgcgagagcc ctacatggac gagatcttcc acctgcctca 250
 ggccgcagcgc tactgtgagg gccatttctc cttttcccag tgggatecca 300
 tgattactac attacctggc ttgtacctgg tgtcagttgg agtgggtcaaa 350
 cctgccattt ggatctttgg atggtctgaa catgttgtct gctccattgg 400
 gatgctcaga tttgttaatc ttctcttcag tgttggcaac ttctatttac 450
 tatatttgct tttccacaa 469

<210> 310
 <211> 524
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 4, 15, 206, 227
 <223> unknown base

<400> 310
 cgcntcggcc catgnacgcc ttgtgcgggt ccggggagtc ggctccaagt 50
 ctgggactcc aacctgtctg tgcacacaga aaaccggac ctactccct 100
 gcttccagaa ctccctgctg gcctgggtgc cctgcatcta cctgtgggtc 150
 gccctgccct gctacttgct ctacctgagg caccattgtc gtggtacatc 200
 atcctntccc acctgtccaa gctcaanaat ggtcctgggt gtccctgctgt 250
 ggtgcgtctc ctggggcggac cttttttact ccttccatgg cctgggtccat 300
 ggccggggccc ctgcccctgt tttctttgtc acccccttgg tgggtgggggt 350
 caccatgctg ctggccaccc tgctgataca gtatgagcgg ctgcagggcg 400
 tacagtcttc gggggtcctc attatcttct ggttccctgt tgtggtctgc 450
 gccatcgtcc cattccgctc caagatcctt ttagccaagg cagaggggtga 500
 gatctcagac cccttcgcgc tcac 524

<210> 311
 <211> 501
 <212> DNA
 <213> Homo Sapien

<400> 311
 ccatcaggaa ggtgaaagag gtctttggga caggggccat gagacatgtg 50
 gtcatectct tcacccacaa agaggactta gggggccagg ccctggatga 100

ctatgtagca aacacggaca actgcagcct gaaagacctg gtgcgggagt 150
 gtgagagaag gtactgtgcc ttcaacaact ggggctctgt ggaggagcag 200
 aggcagcagc aggcagagct cctggctgtg attgagaggc tggggagggga 250
 gcgagagggc tccttcacaca gcaatgacct cttcttggat gccagctgc 300
 tccaaagaac tggagctggg gcctgccagg aagactacag gcagtaccag 350
 gccaaagtgg aatggcaggt ggagaagcac aagcaagagc tgagggagaa 400
 cgagagtaac tgggcataca aggcgctcct cagagtcaaa cacttgatgc 450
 ttttgcatta tgagattttt gtttttctat tgttgtgcag catacttttt 500
 t 501

<210> 312
 <211> 655
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 85, 118
 <223> unknown base

<400> 312
 tctttgttct cacaagttat ctttacattg gaatgacct gaattaggaa 50
 gttaaagtga acttggttgg atttgatac tgctntaaaa gttagaaaat 100
 taggtcattt gacatttntg ctccgtgttt tgccatgttt gggttcctaca 150
 tacttttgca aagatcaagg aagacctttg aggcattctt ttatctctta 200
 tttctattac tatcacccca attcaagtca tcatcattac cctggacttc 250
 tgggatagct tccactggt cccactcatc tactcttgct cactgccttc 300
 cccccaacc cctataaatt cattctccag atagtgacta gagtgaatcg 350
 actatatctt ctcttttctt gctctggata taatttatat cttttcctgc 400
 tctggatata atttatatcc ttcatctcc atttctgtgc ccctgtgtgc 450
 caactgctat tgtctgcatt agatggactt ccttatcttc tggcttctat 500
 tgaatttggg gaactgggga gggtaagta ggagatcagt gtgtgggaga 550
 agaaagaagt ttgagtattt atcacctagg aagggggact tccaggacac 600
 tgtttggcag ggatgctggg cctctactgg aggcctagtt ccgactgtgt 650
 tgccc 655

<210> 313
 <211> 239
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure

<222> 226, 234
<223> unknown base

<400> 313
tttttttttt tttttttttg gattaatgag gaaatcattc tgtggctcta 50
gtcataatth atgcttaata acattgatag tagccctttg cgctataact 100
ctacctaaag actcacatca tttggcagag agagagtcgt tgaagtccca 150
ggaattcagg actgggcagg ttaagacctc agacaaggta gtagaggtag 200
acttgtggac aaggctcggg tcccancggg acnggtggg 239

<210> 314
<211> 175
<212> DNA
<213> Homo Sapien

<400> 314
atttgggttt tttttttcca aaaattgctg aaatattgtt ttgccatttt 50
taaaaagtct caggttatta ccaactctgcc attaaatatt tgtatgcctg 100
cattttttaa aattctgtgc atgtacttta tggagtacat tctatttttg 150
ttttcagata ccccgacgc gtggg 175

<210> 315
<211> 971
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 262, 355, 369, 486, 539
<223> unknown base

<400> 315
cggacgcgtg gggaaacctt gccttcaagg gttttttgtt ttgttttgtt 50
ttgttttttg tttgtttggg tttgttttgt tttggtttgg ttttgaaacg 100
gagtctcgct ctgtcgccca ggctggagtg cagtggcgca atctcggctc 150
actgcaagct ccgcctcccg ggttcacgtc attctcctgc ctcagcctcc 200
cgagtagctg ggactacagg cgtccactac cagcctgga taattttttg 250
tattttcagt anagacgggg tttcaccgtg ttagccagga tggctttgat 300
ctcctgacct catgatcccg cctgcctcgg cctcccaaag tgttgggatt 350
acagngcgtg agccaccgng ccgggcacct tcaaggtttt gttaattttg 400
gataatgcta caatccgttg ctgcaaagaa ctcgaaaatg cacacgccaa 450
cataggagtt ctttttatgc ccccaaacad taagtntttc atccaacccc 500
tcaatcgggg cataataaaa gcattcaagg cactacna caaggagct 550
ttatatgaag gcctgtgagg ctctcaggac caacaaggaa accaccatgc 600
tggtactatt gaagtcggtc actacatgca acgttattga ttatgtcagt 650

<400> 317
 cgcttgggca ggttgggggtt gaaactnttc accccttgcg gtntgtactg 50
 cntcccaant gagcagccag gagaaggcta gagcctgtgc ctttcagcta 100
 gatagctgga ggaactgggc ctccctcctt aggctgtgct ggctgagct 150
 gggagcctga gagctggggc agttgtctct aaagtggctt ctgggattct 200
 ggtaagagcg ttacatcctt actattcaaa gtgccatcca cagacctgct 250
 gatgggcagc atgagcatca cctgggagct tgctgcgctg tagaatcttg 300
 aggggtctcc atccagatca gctgaatcag agtttgcatt gttaacaaga 350
 ttctgcttct cagaagatgc actattatag atactctaac gccaaagtca 400
 gctgctggta caagtacctc cttttcagct acaacatcat cttctggttg 450
 gctggagttg tcttccttgg agtcgggctg tgggcatgga gcgaaaaggg 500
 tgtgctgtcc gacctacca aagtgacccg gatgcatgga atcgaccctg 550
 tggtgcc 557

<210> 318
 <211> 570
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 1, 38, 52, 104
 <223> unknown base

<400> 318
 ntgcagtcaa cgcagcttcc cgggttcagc ctgggaanat gcgcgaatcg 50
 gnaacccag agcccggtgg ttagaccggg gtccgccgct tccccacag 100
 ccnttttct aatcggttcag acggagcctg gtcgacttcg ccggagactg 150
 ccagatctcg ttcctcttcc ctgtgtcatc ttcttaatta taaataatgg 200
 gggatgaaga taaaagaatt acatatgaag attcagaacc atccacagga 250
 atgaattaca cgcctccat gcataagaa gcacaggagg agacagttat 300
 gaagctcaaa ggtatagatg caaatgaacc aacagaagga agtattcttt 350
 tgaaaagcag tgaaaaaaag ctacaagaaa caccaactga agcaaatac 400
 gtacaaagac tgagacaaat gctggcttgc cctccacatg gtttactgga 450
 cagggtcata acaaatgtta ccatcattgt tcttctgtgg gctgtagttt 500
 ggtcaattac tggcagtga tgtcttctg gaggaaacct atttggaatt 550
 ataatcctat tctattgtgc 570

<210> 319
 <211> 698
 <212> DNA
 <213> Homo Sapien

<220>
<221> unsure
<222> 27, 57, 82, 87, 148
<223> unknown base

<400> 319
tcagcgggta agaaaattct acttccnggg atttttgtaa aaggcaaaaa 50
ccttttnttc cccattggca tacattccca angtttntgc ccaatccttc 100
ttttgaaaat taaatatgga acttagatat atttagtcat tacgttcntc 150
tggcttgtat ggacatcatt caagagcttt tcaaagcatt tgttcagatc 200
ttcagtactt ggccagtttt catacagtct cggggtttta aaactttgaa 250
atcaaggaca cgacgtctcc agtctacctc cgagagatta gctgaaacac 300
agaatatagc gccatcattc gtgaaggggt ttcttttgcg ggacagagga 350
tcagatgttg agagtttgga caaactcatg aaaacccaaa atatacctga 400
agctcaccaa gatgcattta aaactgggtt tgcggaaggt ttttctgaaa 450
gctcaagcac tcacacaaaa aaccaatgat tccctaaggc gaaccctct 500
gattctcttc gttctgctgc tattcggcat ttatggactt ctaaaaaacc 550
catttttata tgctcgcttc cggacaacaa cagggttga ttctgcagta 600
gatcctgtcc agatgaaaaa tgtcaccttt gaacatgtta aaggggtgga 650
ggaagctaaa caagaattac aggaagttgt tgaattcttg aaaaatcc 698

<210> 320
<211> 443
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 4
<223> unknown base

<400> 320
gccnagcgga cgggccgctt aaacgggctg ctctgtccga ttcttttacc 50
tgagaaatgc tacgaccaac ttttcgttca gtgggacttg cttcacgtcc 100
cctgcctcaa gattctcttc agcaaaggcc tggggctggg cattgtggct 150
ggctcacttc tagtaaagct gccccagggt tttaaaatcc tgggagccaa 200
gagtgtgaa gggttgagtc tccagtctgt aatgctggag ctagtggcat 250
tgactgggac catggtctac agcatcacta acaacttccc attcagctct 300
tgggggtgaag ccttattcct gatgctccag acgatcacca tctgcttcct 350
ggcatgcac tacagaggac agactgtgaa aggtgtcgct ttcctcgctt 400
gctacggcct ggtcctgctg gtgcttctct cacctctgac gcc 443

<210> 321
<211> 477
<212> DNA
<213> Homo Sapien

<400> 321
gttggcctga ttctccccac cagaggacag acgttgaaag ataccacgtc 50
cagttttcag cagacgcaac tatcatggac attcaggtcc cgacacgagc 100
cccagatgca gtctacacag aactccagcc cacctctcca accccaacct 150
ggcctgctga tgaaacacca caaccccaga cccagaccca gcaactggaa 200
ggaacggatg ggcctctagt gacagatcca gagacacaca agagcaccaa 250
agcagctcat ccactgatg acaccacgac gctctctgag agaccatccc 300
caagcacaga cgtccagaca gacccccaga ccctcaagcc atctgggtttt 350
catgaggatg accccttctt ctatgatgaa cacaccctcc ggaaacgggg 400
gctgttggtc gcagctgtgc tgttcacac aggcatcatc atcctcacca 450
gtgcggacgc gtgggcggac gcgtggg 477

<210> 322
<211> 505
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 48, 75
<223> unknown base

<400> 322
cagtgccttt agattgtggt ttgcctctc caatgtagag ttgacatntg 50
gaccccagag cccagcaggg ctttntgtca gacatgtagg gtggtagaaa 100
tgggccctcc aggtccccct gcagtgcact gggcagagac ctccggaaaag 150
ccggcagcgg gagcgttcc tgggcagctt ccccagcac agtgttccca 200
aaccagtcca tccggaaaac agtctgtaca gcaaattgctg tgtgagatct 250
taggcttttc actttttttt gttttgtttt gtttttgaaa gaaagaaaaa 300
aatacaatta acaagcctct tttgtaaag ggtttccttt ctatgtataa 350
aatcgtggtg gtcccttggt tttacatggt catgctgtgt aattttgaga 400
tgttactgag atatgttctg aacataatgt gcattttttt ctgtacagat 450
gaaatgggag aatttaataa agagtttgca gccacgcgt ccgcggacgc 500
gtggg 505

<210> 323
<211> 632
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21, 75, 80, 107, 117
<223> unknown base

<400> 323
gaagtgttca ctggacaatt ngcaagttag gtccagttcc agttggagga 50
ttcttccatt gttccaaggt gtggnaattn caatgggtcct gatctccatt 100
tttgtgncaa tctattncaa tgtcataatt gcctatagtc tttactacat 150
gtttgtcttct tttcaaagtg aactaccatg gaaaaattgt tcttcgtggg 200
cagataaaaa ctgtagcaga tcaccaatag taactcactg taatgtgagt 250
acagtgaata aaggaatata agagatcatc caaatgaata aaagctgggt 300
agacatcaac aattttacct gcatcaacgg cagtgaatt tatcagccag 350
ggcagcttcc cagtgaacaa tattggaata aagtggcgct ccaacgggtca 400
agtggaatga atgagactgg agtaattgtt tggatatttag cactttgtct 450
tcttctgggt tggctcatag ttggagcagc actattttaa ggaatcaa 500
cgtctggcaa ggtggtatat ttacagctc ttttcccta tgtggtccta 550
ctcatcctgt tagtacgagg tgcaactctg gaggggtgctt caaaaggcat 600
ttcatactat attggagccc cggacgcgtg gg 632

<210> 324
<211> 502
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 9, 24
<223> unknown base

<400> 324
cggggggcnt acaccactgc ctgngtcttc accaccgccg ccgtgcagtt 50
ggaattgatc acaccttttc agttgtactt caatcctgaa ttaatcttta 100
aacactttca aatatggaga ttaatcacca acttcttatt ttttgggcca 150
gttggattca attttttatt taacatgatt tttctatata gttactgtcg 200
aatgctagaa gaaggctctt tccgaggtcg gacagcagac tttgtattta 250
tgttcctttt tgggtggatc ttaatgacct tttttggtct gtttgtgagc 300
ttagttttct tgggccaggc ctttacaata atgctcgtct atgtgtggag 350
ccgaaggaac ccctatgtcc gcatgaactt cttcggcctt ctcaacttcc 400
aggccccctt tctgccctgg gtgctcatgg gatcttctt gttgttgggg 450
aactcaatca ttgtggacct tttgggtatt gcagttggac cggacgcgtg 500
gg 502

<210> 325
<211> 375
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 9
<223> unknown base

<400> 325
tgcaaattnt gagattcaga gactaaagta atttatztat acatagctaa 50
tcagtgccag agctgtgaat ctaagattat ctgctctta atcacaaaaa 100
tacacagtta ttagttgttt gcatttgatg caaatgactt ggaaccaca 150
cattttacac atttttaatg aatgaaatga ctagtttgat tcattacacg 200
tttgtggaaa ttttgcagct aggttttaaa ttaagaacac cagatttatt 250
taaatacaat ttaaaatcat tgtattccaa atggaagttt tcttctataa 300
gaataccagg ctggatgtgg tggctcacac ttgtaatcct agcactttgt 350
gtggccgagg aagcggacgc gtggg 375

<210> 326
<211> 198
<212> DNA
<213> Homo Sapien

<400> 326
gtcaggattt ttgaagtttt tttttttata gtgagataat ggagttggtc 50
ttagccgctg caggagccct tcttttctgt ggattcatca tctatgacac 100
acactcactg atgcataaac tgtcacctga agagtacgta ttagctgcca 150
tcagcctcta cttggatatc atcaatctat tctgcccga cgcgtggg 198

<210> 327
<211> 489
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 18
<223> unknown base

<400> 327
caagttaggt gatccagntt ttgtggtcct ttgcaaccct tgtggtcatt 50
gtgcccttga tattaatctt cgtgggtgggt cctcgccatg gcagacaaac 100
attcttgtgt acataacaat ctgctctgta atcggcgcgt tttcagtctc 150
ctgtgtgaag ggccctgggca ttgctatcaa ggagctgttt gcagggaagc 200
ctgtgctgcg gcacccctg gcttggattc tgctgctgag cctcatcgtc 250
tgtgtgagca cacagattaa ttacctaaat agggccctgg atatattcaa 300

cacttccatt gtgactccaa tatattatgt attctttaca acatcagttt 350
 taacttgttc agctattctt tttaaggagt ggcaagagat gcctgttgac 400
 gatgtcattg gtactttgag tggcttcttt acaatcattg tggggatatt 450
 cttgttgcat gcctttaaag acgtcagctt tagtctagc 489

<210> 328
 <211> 559
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 43, 46
 <223> unknown base

<400> 328
 aaagtgggcc ttttagggta aagagtttta aagagtttaa tgnngtntatg 50
 gcagggttgg gaaaggtaag aaatgggtcc tttttcctcc taatgttttt 100
 ggcacttaaa acataaaatt cattatccta ttaaaaaatt aaattcagtt 150
 tgctaattcca gaaattgttc ccaaatgaaa acttgtttta agtccacccc 200
 ttagtttcct tattttacaa ggtctctctt cagggaccaa caggggctta 250
 gagagcctta gttagattaa agggagaccc tacctcttaa aaccagtttt 300
 catttatgca aacaaggaca attaaggga cccctgacccc acaggctctc 350
 aagtcttccc aaggccagaa tcgaaagaaa attaaaattt gaatgctgaa 400
 tattctggct ctactctggc ctttttttct ggttcccttc caaaatgcac 450
 aaatcatacc cttgtctgct ccaattcagt ctccaaacct ggtgcctgtg 500
 ctctggccc cctagcatc atgctatccc aggagtatca ggaccagaca 550
 catccacgg 559

<210> 329
 <211> 523
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 4, 14, 60, 71, 99
 <223> unknown base

<400> 329
 ggcnaaggcg gccnaagacg gacatgaagc aatatcaagg ttccggcggg 50
 gtcccatgn atgtggaacg nagtcgcttt cccctactgc gtgggtgtgna 100
 cgcccatccc ggtgctcacg tggtttttcc ccatcatcgg ccacatgggc 150
 atctgcacat ccacaggagt cattcgggac ttcgcgggcc cctactttgt 200
 ctgagaggac aacatggcct ttggaaagcc tgccaagtac tgaagttgga 250

ccctgctcag gtctatgcta gcgggcccac cgcatgggac acggctgtgc 300
 acgacgcctc tgaggagtag aagcaccgca tgcacaatct ctgctgtgac 350
 aactgccact cgcacgtggc attggccctg aatctgatgc gctacaacaa 400
 cagcaccaac tggaatatgg tgacgctctg cttcttctgc ctgctctacg 450
 ggaagtagct cagcggtggg gccttcgtga agacctggct gcccttcac 500
 cttctcctgg gcacacaccc cac 523

<210> 330
 <211> 365
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 83, 124
 <223> unknown base

<400> 330
 tttgatttaa tgttggttgt gtgtctctc ctggcaactg gatattgcct 50
 gttcagaggt ttgattgctt tggattgcc atntgagctc tgccgattat 100
 atacgcaatt tcaagagccc tatntaaagg atcctgctgc ttatcctaaa 150
 attcagatgc tggcatatat gttctattct gttccttact ttgtgactgc 200
 actgtatggc ttagtggttc ctggatgttc ctggatgcct gacatcacat 250
 tgatacatgc tggaggtctg gctcaggctc agttttctca cattgggtgca 300
 tctcttcacg ctagaactgc ttatgtctac agagtccttg aagaagcaaa 350
 aatccttttt ttagc 365

<210> 331
 <211> 441
 <212> DNA
 <213> Homo Sapien

<400> 331
 gaaaatatct ggaggtactg cacataagga ttccaatttc tattttcaga 50
 actttcattt gtaatttatg tacgcatcta acgtctattt acgtgtatac 100
 tgagttaggg tgtacaactt ttccctgagg ctgtatctca aaaactttgg 150
 aagctgaaga atttgtccaa atctatgttc ctttttggtt gtaaatcacc 200
 tgatgatggg gatatactg tggccaacga aatgtcaagg gaagtctgct 250
 ggggaaggta gacgtaggat aggagtatgg gaaaaaatta ttcactcaaa 300
 agcatgatgc acagaggagc tatgatcttt tcttggtttc ctcactggat 350
 gttgtcatgt ctgtatgtac ttcttggaa tgtggcacca tcttacaacc 400
 atgaaaggag ctcacatgaa atcatgttga acatagcaga g 441

<210> 332
<211> 627
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 45-46, 52, 71, 173, 226, 275
<223> unknown base

<400> 332
agggttggtcc ttttccggtt ttttggccaa tttcaagttt ccagnntcca 50
tnatccaagt ttgaagcccc ntggcggatc cttaaaaatc cctgacctga 100
ccagggtcgc caagggtcgc acaaggcctg ggccagggtc ccacagggag 150
gtgaaaaaac tcccattccg ttnaaaagca gtttcctttg ggacccattt 200
ccttttccct ttggccatgg ccgtgncctc caaagggttc ggtagtttaa 250
tgcaaatgtt ctaccaatag ccccnagaac tccaccacc tctctctgtc 300
ttgtggctca agtcgagcaa cctgaaagga tatatttttt caaataagta 350
attcctgtag gcaataaaaa gatacactat cttctgagtg aaatataaag 400
agttcacagc agctgtctcc ccagtttgca ttttcctctg cacctgatgg 450
gaaggacaga taaagataat gggatttttt ctttattttt tatttcacct 500
ccctctctcc ctggaagggtg gaaatgtaac aaattggatt gtgagtgtgt 550
ctgtcctttg tgcttggtgc ctggagcagg gcacccggct gccgggcaga 600
gctgctgcga gagaggtcag agctacc 627

<210> 333
<211> 607
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 112-113, 151, 175, 183, 196, 211, 215, 223, 241, 247
<223> unknown base

<400> 333
ccaagttgaa gcccatggcg gtccttaaatt cctgcctgac cagggtcgcc 50
agggtcgggc aagcaagtgc cagaagaata aagaagatgg acgcaaaaag 100
aagaaaggaa gnnccagaag agacgaagag atgaaacgac agtcagatga 150
natgaggagg aaagaaaggt ttcanaaagc cgnccggaat gaaagnctc 200
ctggtttgaa ngaanttgcc aanagataaa tccagcagga naggccnaga 250
aagatcgagg tctgcttacc tgctgttacc ttggacacca gagcagctat 300
aggtatctgc cagagctatg aaatcattca gccggatcct cttcctcgtc 350
ttcctcctcg ccggcctgag gtccaagccg ctccctcagc ccctctgcct 400

ttgggctgtg gctttccgga catggccac ccctctgaga cttccctct 450
gaaggggtgct tctgaaaatt ccaaacgaga tcgccttaac ccagaatttc 500
ctgggactcc ttacctgag ccttccaagc tacctcatac ggtttccctg 550
gaaaccttcc cacttgactt cactgagccc ctcaaccctg acctccgaga 600
aaccctcg 607

<210> 334
<211> 417
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24
<223> unknown base

<400> 334
ttcagactca ctgaatcaga accntgggat aggccagcac gctgtgcttt 50
accaagctct aggtgatgcc aattcatact caagtgtgag gctgactggc 100
ttatttgaag ggagagaaag gaacaggcac atggcgacat atcagcattt 150
acacaaggcg tgctgggtaa ccataggaac acctttatta cggttaaata 200
ggaaacaggc atcaatgcag agggcccccga ggagaatcag gaaggtcgcg 250
actgtcactg tctgagggca ctgttgtgaa acgatggccg aaggtagaca 300
ccacagcaaa gtttcaagga agttcactga aacgtggaaa aaccactca 350
atgtcctgct ctcatttata ttgagtggct taagtattta ttttcttggt 400
tttttagagg aaggag 417

<210> 335
<211> 531
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 40, 76
<223> unknown base

<400> 335
gaagcttccg ttgccaagcg acatgttcaa ggtaattcan aggtccgtgg 50
ggccagccag cttgagcttg ctcacnttca aagtctatgc agcaccaaaa 100
aaggactcac ctccccaaaa ttccgtgaag gttgatgagc tttcacteta 150
ctcagttcct gaggggtcaat cgaagtatgt ggaggaggca aggagccagc 200
ttgaagaaag catctcacag ctccgacact attgcgagcc atacacaacc 250
tggtgtcagg aaacgtactc ccaaactaag cccaagatgc aaagtttggt 300
tcaatggggg ttagacagct atgactatct ccaaaatgca cctcctggat 350

tttttccgag acttgggtgtt attgggttttg ctggccttat tggactcctt 400
 ttggctagag gttcaaaaat aaagaagcta gtgtatccgc ctggtttcat 450
 gggattagct gcctccctct attatccaca acaagccatc gtgtttgccc 500
 aggtcagtgg ggagagatta tatgactggg g 531

<210> 336
 <211> 446
 <212> DNA
 <213> Homo Sapien

<400> 336
 ggcggccgag gcggacggcc gcttaaacgg ctgctcgtgc cgattccttt 50
 acctgagaaa tgctacgacc aacttttctg tcagtgggac ttgcttcacg 100
 tcccctgcct caagattctc ctcagcaaag gcctggggct gggcattgtg 150
 gctggctcac ttctagtaaa gctgccccag gtgttttaaaa tcctgggagc 200
 caagagtgtc gaaggggtga gtctccagtc tgtaatgctg gagctagtgg 250
 cattgactgg gaccatggtc tacagcatca ctaacaactt cccattcagc 300
 tcttgggggtg aagccttatt cctgatgctc cagacgatca ccatctgctt 350
 cctggtcatg cactacagag gacagactgt gaaagggtgc gctttcctcg 400
 cttgctacgg cctggtcctg ctgggtgcttc tctcacctct gacgcc 446

<210> 337
 <211> 489
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 16, 67
 <223> unknown base

<400> 337
 cggaacgcgt gggcgnacgc gtgggcaaga tgtccctgtg gactcccaaa 50
 ctctactcca gatgggnagg tgcccttaac accaagattt taaaagctcc 100
 aatttcagag caagagtcga aaactcacag ataaagttat agttatttca 150
 gggttctgaa aagacgcaga acatgaaggg actcagaagt ctggcagcaa 200
 caaccttggc tcttttcctg gtgtttgttt tcctgggaaa ctccagctgc 250
 gctccgcaga gactgttgga gagaaggaac tggactcctc aagctatgct 300
 ctacctgaaa ggggcacagg gtcgccgctt catctccgac cagagccgga 350
 gaaaggacct ctccgaccgg ccaactgccg aaagacgaag cccaaatccc 400
 caactactaa ctattccgga ggcagcaacc atcttactgg cgtcccttca 450
 gaaatcacca gaagatgaag aaaaaaactt tgatcaaac 489

<210> 338

<211> 452
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 3
<223> unknown base

<400> 338
ccntgcacaa gcagcacttt cttttgccat agcaacatgt gcatcaataa 50
ttcttttagtc tgtaatggtg tccaaaattg tgcataccct tgggatgaaa 100
atcattgtaa agaaaagaaa aaagcaggag tatttgaaca aatcactaag 150
actcatggaa caattattgg cattaacttca gggattgtct tggtccttct 200
cattatttct atttttagtac aagtgaacaa gcctcgaaaa aaggatcatgg 250
cttgcaaaac cgctttttaat aaaaccgggt tccaagaagt gtttgatcct 300
cctcattatg aactgttttc actaaggagc aaagagattt ctgcagacct 350
ggcagacttg tcggaagaat tggacaacta ccagaagatg cggcgctcct 400
ccaccgcctc ccgctgcac caccgaccac actgtgggtc gcaggcctcc 450
ag 452

<210> 339
<211> 354
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 27
<223> unknown base

<400> 339
aaataaagaa ccatgggtatc atgttgntca gtgcttcaga cagaaagatt 50
gttgaagcat caaggagagc ttttgttatg tggcaatgaa ctacgaagag 100
gaaatggcca agaaacccga ttgtctagag aaagtttacc aactacctga 150
tgggaagggtc atccagctcc atgaccagct cttttcttgt ccagaggccc 200
tcttctctcc gtgtcatatg aaccttgagg cccctggcat tgataagata 250
tgcttcagca gcataatgaa atgtgatata ggctgagga attccttctt 300
ttccaatatt atccttgccg ggggatcaac ctctttccct ggtttagaca 350
agct 354

<210> 340
<211> 547
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 20, 77, 101, 142, 151
<223> unknown base

<400> 340
tggcggtcct aaaatcctgn cctgaccagg gtccggcggt tcagttggag 50
gaaaagtgtg gccttgcagg tggcaantgg tccaggtacc ggtatttggc 100
nggcccgttt ttgcctcctc ctccgtgggt gcggcgaggaa tnttggccgg 150
ncggccttgg gacggcccag gtcccggccg caaggtcggg gccaatatcat 200
agtcattcagt agaaacttct tgaagttgtt caagaaaaat ttgaaagtag 250
caaaatagaa aataaagaat taacagcaga tacagaggca gcatgaagtg 300
ttgtcttagg aaacagaaca cagcagtga aaaacagaca aaatccgctc 350
agatacaact gcagctgata atgttttccg gcttcaatgt ctttagagtt 400
gggatctctt ttgtcataat gtgcattttt tacatgccaa cagtaaactc 450
tttaccagaa ctgagtcctc agaaatattt tagtacattg caaccaggaa 500
aagcctcttt agcttatttt tgtcaagctg attccccaag aaatata 547

<210> 341
<211> 374
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 34, 42
<223> unknown base

<400> 341
ccgaatcaag ttcgagtcatt ccgtgtgggc attngtcccc cntggcacag 50
ttggcttctt tccagaagcc cgttttgttt gttttacgtc taaattcgcg 100
tcggttctta tttctctccc tggcaaggtc tgaagacggg taggagaata 150
acctgtgtca gcgtgttatg atgccgtccc gtaccaacct ggctactgga 200
atccccagta gtaaagtga atattcaagg ctctccagca cagacgatgg 250
ctacattgac cttcagttta agaaaacccc tcctaagatc ccttataagg 300
ccatcgcaat tgccactgtg ctgtttttga ttggcgctt tctcattatt 350
ataggctccc tctgtgtgtc aggc 374

<210> 342
<211> 515
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25
<223> unknown base

<400> 342

aaggagtggc aagatatgcc tgttgacgat gtcattggta ctttgagtgg 150
 cttctttaca atcattgtgg ggatattctt gttgcatgcc tttaaagacg 200
 tcagcttttag tctagcaagt ctgcctgtgt cttttcgaaa agacgagaaa 250
 gcaatgaatg gcaatctctc taatatgtat gaagttctta ataataatga 300
 agaaagctta acctgtggaa tcgaacaaca cactgg 336

<210> 345
 <211> 380
 <212> DNA
 <213> Homo Sapien

<400> 345
 ttaagtgcaa accatgcagt gcccgaggat gataccatta gcaatgactc 50
 caatgatttc accgaagtag aaaatgggtca gataaatagc aagtttattt 100
 ctgatcgtga aagtagaaga agtctcacia acagccattt ggaaaaaaag 150
 aagtgtgatg agtatattcc aggtacaacc tccttaggca tgtctgtttt 200
 taacctaagc aacgccatta tgggcagtgg gattttggga ctgcctttg 250
 ccctggcaaa cactggaatc ctactttttc tgggtactttt gacttcagt 300
 acattgctgt ctatatattc aataaacctc ctattgatct gttcaaaaga 350
 aacaggctgc atggtgtatg aaaagctggg 380

<210> 346
 <211> 364
 <212> DNA
 <213> Homo Sapien

<400> 346
 gcagcattca gagttactgg ctgtcatttt tcatgggtgat gattttattt 50
 gtagctttca taacctgttg ggaagaagtt actacttttg tacaggctat 100
 caggataact tcctatatga atgaaactat cttatatattt cctttttcat 150
 cccactccag ttatactgtg agatctaaaa aaatattctt atccaagctc 200
 attgtctgtt ttctcagtac ctggttacca tttgtactac ttcaggtaat 250
 cattgtttta cttaaagttc agattccagc atatattgag atgaatattc 300
 cctggttata ctttgtcaat agttttctca ttgctacagt gtattggttt 350
 aattgtcaca agct 364

<210> 347
 <211> 752
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 40, 47, 73, 87, 235, 256
 <223> unknown base

1005433-04303

<400> 347

acaatgttgg gtaaaataat tggggggggac ttttgggcn ttcaggntta 50
atagtattaa gtctatgggc aantggagcc ttagganaat ttgggggggtt 100
tttaatcttt ttcttggtgg gcttagattt ttctccagaa aagttaagaa 150
aggtgtgaag atttccttac aaggcccgtg ttacatgcca ctgttaatga 200
ttgcatttgg cttgctgtgg gggcatttct tgcgnatcaa acccacgcag 250
agggtnntca tttccaaggt gtctgtcctt tgtcaagcac acccctcgtg 300
tccaggttcc tcatgggcag tgctcggggg gacaaagaag gcgacattga 350
ctacagcacc gtgctcctcg gcatgctggg gacgcaggac gtgcagctcg 400
ggctcttcat ggccgtcatg ccgactctca tacaggcggg cgccagtga 450
tcttctagca ttgtcgtgga agttctccga atcctgggtt tgattgggtca 500
gattcttttt tcaactagcgg cggtttttct tttatgtctt gttataaaga 550
agtatctcat tggaccctat tatcggaagc tgcacatgga aagcaagggg 600
aaciaaagaaa tcttgatctt gggaatatct gcctttatct tcttaatgtt 650
aacggtcacg gagctgctgg acgtctccat ggagctgggc tgtttcctgg 700
ctggagcgtc cgtctcctct cagggccccg tggtcaccga ggagatcgcc 750
ac 752

<210> 348

<211> 342

<212> DNA

<213> Homo Sapien

<400> 348

aaaaaaaaaa aaaaaaaaaa agaaccactt ctgccttata attctctctt 50
tattaccgaa atgcggagac agaaagtcaa cagagaaaga attgttttcc 100
ccaaggccac acagattgct ccaacacttg acttttcctg ctaggaactc 150
aatccaagag atgggctttc ttttgttctc tgactataaa aggggtgtcac 200
cttgtcacca tcttctatca cacaggaccc ctatgggctt ggtttggttt 250
tgttctttca tcattattat ttggaaagtt atatttcctt tactgtcctt 300
gaggtgtgag gcttcacctc atcttgtctc catatccctg ag 342

<210> 349

<211> 608

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 19, 46, 101, 110, 132, 271

<223> unknown base

<400> 349

tgatcccat ggccagggng gcgtccaggt gcaaaccagt agaacncaag 50
 gcctgaacct ggggccagac accttgtttt ccccgcccat ggtcaagacc 100
 ntccagtacn tgccttactg tgggccaga antgggcca gtcttggcag 150
 cccgtgccgc aggttggtgt gcagtttggg gtgttcttct gcaccatcct 200
 ccttttgctc tgggtgtctg tcttctcta tggctccttc tactattcct 250
 atatgccgac agtcagccac ntcagccctg gcatttctac tacaggaccg 300
 actgtgattc ctccaccacc tcaactctgt ccttccctgt tgccaatgtc 350
 tcgctgacta aggggtggacg tgatcgggtg ctgatgtatg gacagccgta 400
 tcgtgttacc ttagagcttg agctgccaga gtcccctgtg aatcaagatt 450
 tgggcatggt cttggtcacc atttctgtc acaccagagg tggccgaatc 500
 atctccactt cttcgcgttc ggtgatgctg cattaccgct cagacctgct 550
 ccagatgctg gacacactgg tcttctctag cctcctgcta tttggctttg 600
 cagagcag 608

<210> 350

<211> 590

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 38, 85, 87, 117, 189

<223> unknown base

<400> 350

aaatttgaaa ccataagtt accaagtcta tatcaggngc agtggctttg 50
 attaaagccc atttttaaaa cttaaaaact caacnctcc cagattataa 100
 tagaaaaaga aatggcntca gtttgatctc gttcagaatg cccagattg 150
 ttctgctttg gggcagctgt ttagttcaga gttatattna agagaattat 200
 tttctgagat aatcttaaac tagaatgttc aaaactaatt gataattgaa 250
 gtatcaagat acgtagaaca cctcagagat ttttcttcag gaacttccac 300
 aaactttgaa tccttgatc tttatttggt attcatacta ctagtagcaa 350
 aatacagggt ttttgttttg ttttgttttg ttttggttc atagagtatc 400
 tcaaattgaa acttttctgc acaaagaata aaattaagga ttttataaac 450
 tcaaattggc acctactgaa ttaaaataca taaaatcatt taaatataat 500
 tcagcatatg ggaagtaaca ttgcactaat atggaaatca ctgccagaga 550
 cagtctatct tcttttaatt tggtactact tagtcacaaa 590

<210> 351

<211> 517

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 20, 65, 78
<223> unknown base

<400> 351
tcagaaggga atgaaatccn cagcggacct ggcatacaaaa actttgggca 50
aagcaattga attgnaagca ataaaacnga ctttatcaag tcctaaatgt 100
acaagagaag aagagaaaat cacttgacaa tgaagttgaa aagacagcaa 150
atcttgtcat tagcaactgg aatcagcaaa ttaaggccaa gaagaaatta 200
atggttagta ccaagaaaca tgaagcactt ttccagcttg tagaaagctc 250
caagcaatct atgactgaga aggagaagcg gaagctcctc aataaactga 300
caaatcaac tgaaaagttg gaaaaggaag atgaaaatta ctacaaaaaa 350
aacatggcgg gttattctac cagactgaaa tgggaaaaca cactagagaa 400
ctgctaccag agcattctgg agctggagaa ggaaagaatt caacttttat 450
gcaataactt aaaccagtac agccaacata tttctctttt tggccaaacc 500
ctgaccacat gccacac 517

<210> 352
<211> 559
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 59, 104, 126
<223> unknown base

<400> 352
tttaaagaaa tgggtaaata ctgagccttt ntgcaacctt ttttgggaagc 50
accagcccnc agaagattct gtgacttggtg tgcttttagg tgcaccctca 100
gacntctggc tcagtaacac tcgggntgat tgagactggt gcctcagtct 150
ctcatttggg ttgacattat tcattttaat gaatgaatac atttgtcgca 200
gaaagtggaa ttctctcatt gttgagagaa aattctcagc ttgagtcaag 250
aagtttccat atttaccaga accttctagc tttgatgagc ataactactg 300
ctaaaataat gtgtcttctg agcagctggg taccagtgcc tgtggcctgt 350
agcattagtt actgcctgag ggatggtgac tggtaccgca gaatggtggg 400
cttcgttgac ttgtcttctc tcctctccct cttaccact tcccggagaa 450
acaggacagc aggcacagcc agtaacaagc tgtggtacgc ctccctggcc 500
ctggtgacgc tcatcatgta ttccattgcc actggaggct tggttttgat 550

ggcagtgtt 559

<210> 353
<211> 609
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 48, 163
<223> unknown base

<400> 353
gtgggccaat gctgtccaaa ctacaggggg ttaatgtaaa gcttgtgnta 50
acatatgaaa agtatattaga aagagcttgg catgtagtaa ccactcaata 100
aaagttagct actattatga agtgttttcc aatggtttat ttagaagcaa 150
aatagtatca gtntagaagt ccaggcttgt ttttctccca aacatgtttt 200
cacaagtgtc tccatgggtc ctttctcctt ttcttcttcc tcttcctcta 250
aaaacatatt ttgctgtgtc tgcttgggtc tctttcactg ggccagagaa 300
agaatccctg agggttggac aaggggagca gctgagttgg tgagaaaagg 350
agcccagcag gttgaatgcc tcgaaccact gtgatgagct cttgagctgg 400
gtgccaatca aagtgaagca gtggggcttg ccagggtgaga tgttaatttc 450
agcagtcaca cgtgtccctg tctggactct ccctaggact cttgacccta 500
ccctgcagtg gtttgaaatg gattttatta ggctttcatt acattctcat 550
atcatttttt tcaacttgga tctaagctac acgagagcca gtgtagtgct 600
ttgtccttg 609

<210> 354
<211> 603
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 23, 27, 68, 74, 137
<223> unknown base

<400> 354
ccggtaaccc attgggcctg gcntaanaaa gtttttttaa gccattagac 50
gttttttaaag gaattggnag atgncaattg gggaaatatt taaaatttaa 100
gtaaaatata aagcttcctt atttcatgta acccagncaa tctcagtata 150
catgatcagt tgtgtctgac aggtaaatct atttgaggcc ttatcacacg 200
ttacttttaa gaactagaaa ggaaaagtca ctgatcttaa gtatttataa 250
tacttcatgt ggtctaatac tttttacgtt ttgttttgat tcagatttag 300
tccggattcc cggtatctgg cagtaggttc tagtgagaac tcagtggatt 350

tttatgacct aacgctgggc cccactctta acagaatcag ctactgcaaa 400
 gacattccaa gctttgtcat tcaaattggac ttctctgcag atagcagtta 450
 tctccaggta cagtaccaat actgtatacc caggtggcaa gttcttctgc 500
 ttttacattt cgtgttagtg aatgcattta aagttcctga gctccagagc 550
 tccagcttct caactcctcc ctttgtacct tctgacctac agtcctctt 600
 tcc 603

<210> 355
 <211> 633
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 79, 101, 115, 122, 135, 161, 192, 204, 252
 <223> unknown base

<400> 355
 tcatggcggg atactttggc aagtgggttat cttttaacgg gtttcatttt 50
 cccagttggt aaatttacag ttggttaant aaaagttttt cccagtagca 100
 ncagggcgta atcanagatc cntaagtgtt tagtncaggg catgtgcttt 150
 ttaaagtggg natggctatt tacagattgg cctacactgt tntgggtggga 200
 gccntcagt accaaggagc agaggtagctt gaaacccacc cttgaagcca 250
 tntggatgct ccgttcattc aaatctgggg tggtctaacc caaagtaact 300
 ggccacagac tgcaatgtaa gatacaaacc ttcaggacct agtgtgtgca 350
 catgttggtt cttatataag atggcatcct tagtacttgt tctatgtaga 400
 aaagaatttg tgggctcaca agtccctaca gagtctcaca ctctcatggc 450
 caataagtat acagggatac ccggaattag acaaacacag atgagacatt 500
 tatttctgta tatgaattta ttttatttat ttatttattt tttgggacag 550
 ggtctcgctc tgctgccccat cctggagtgc ggtggcctgg ctcatgcaa 600
 gctccgcctc ccgggtttac accattctgc ctc 633

<210> 356
 <211> 569
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 41, 64, 83, 86, 115
 <223> unknown base

<400> 356
 ttaattagat aatttaaagt agcgtttttt tctacaatgt ntgaagaagt 50
 gacctacgcg acantcacat ttcaggattc tgntgnagca aggaataccc 100

gagatggaaa taacntaaga aaaagagggc atccagctcc atctcccatt 150
 tggcgtcatg ctgctctggg tctggtaact ctttgctga tgttgctgat 200
 tgggctggtg acgttgggga tgatgttttt gcagatatct aatgacatta 250
 actcagattc agagaaattg agtcaacttc agaaaaccat ccaacagcag 300
 caggataact tatcccagca actgggcaac tccaacaact tgtccatgga 350
 ggaggaattt ctcaagtcac agatctccag tctactgaag aggcaggaac 400
 aaatggccat caaactgtgc caagagctaa tcattcatac ttcagaccac 450
 agatgtaatc catgtcctaa gatgtggcaa tggtaacaaa atagttgcta 500
 ctattttaca acaaatgagg agaaaacctg ggctaacagt agaaaggact 550
 gcatagacaa gaactccac 569

<210> 357
 <211> 565
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 7, 19, 117, 197
 <223> unknown base

<400> 357
 caaaaanagt gcccgtccng ttgttgtaag tgaagggacg gcagtcagtt 50
 gaccctgcag tgtgcaggcg agcgcaggga gtacgccatg tcctgagaag 100
 gggcgattct caggctntgg cagttacagc ttctcctcac cctgccgagc 150
 aaccaggcca cggggctccg tgcacgcga cctagagtgt taccctnttc 200
 cttgttcacg gaggttctcc gcagtgtgtg agaaagaggc cctctctcag 250
 atgaatggat aaagaaaatg caggacatat ggggggagga gccaagatgg 300
 ccgaatagga acagctccgg tctacagctc ccagtgtgag cgacacagaa 350
 gacaggcaag aagaataaat gtctctggtg gaacttttgc tctggtggaa 400
 ctgcttttct agaactggtg ttgcagcatc cctggaagtg tcagagagcc 450
 ctgggagtat ccaggtggcc cggggtcaga cagcagtcct gccctgcact 500
 ttcactacca gcgctgccct cattaacctc aatgtcattt ggatgggtcac 550
 tcctctctcc aatgc 565

<210> 358
 <211> 575
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 138, 536
 <223> unknown base

<400> 358

ggttccctaa agattgaagc tttttaagac tcagcttttg acacatttac 50
taattatact taattgttcc ttggtgattt ccccccggtg ggtttggttc 100
ccttgaactc cacactcatt acgttcagag ctttttnta cactacttga 150
attattttta tttaggtata taaaatactg gtggcaatag cataaattct 200
aagtgttaaa cttgatgaag taatattgta cacctatgta agcactgccc 250
agactgatat acatttacag cctaaggagg cttctttgtg ctgctttgct 300
attaatatcc cattgcccag aaatagcccc tctcctaatt tccataacca 350
gagataagct tacatgtttt tccgcttcat gtaaattggaa tcgtacgctg 400
aacccttttt tgtgtctggt ttcttttgct caacattatt tcatgcaaca 450
ataaggatgg ctctctcaga cataatatcc atttttattt atgtagtggt 500
ttatgggaat tgcactgagt tagagaaact gaagtntgaa ggaatagttt 550
ccacaagact gccctcattt cagac 575

<210> 359

<211> 553

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 60, 83, 87, 98, 104, 106, 170

<223> unknown base

<400> 359

agtgccgtcc cgggtgttga agtgaaggac ggcagtcagt tgccttgcag 50
tgtgcaggcn agcgcaggag taccgccatg tcntaanaag ggcgattntc 100
aggntntggc agtacagttt ctctcacc ctcgagcaaa ccaggccacg 150
gggctccgtg catcgccacn tagagtgtta cctcttctt tgttcacgga 200
ggttctccgc agtgtgtgag aaagaggccc tctctcagat gaatggataa 250
agaaaatgca ggacatatgg ggggaggagc caagatggcc gaataggaac 300
agctccggtc tacagctccc agtgtgagcg acacagaaga caggcaagaa 350
gaataaatgt ctctgggtgga acttttgctc tgggtggaact gcttttctag 400
aactgggtgtt gcagcatccc tggaagtgtc agagagccct gggagtatcc 450
agggtggccc gggtcagaca gcagtcctgc cctgcacttt cactaccagc 500
gctgccctca ttaacctcaa tgtcatttgg atggtcactc ctctctccaa 550
tgc 553

<210> 360

<211> 502

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 40, 57, 63, 68, 78, 84, 88, 138, 350

<223> unknown base

<400> 360

caaaatgtta agaacgtcca ctccaatct gtgggtggtg tgcattgccg 50
ggccccntgg ttntcttntg gcattttntg cttntgcntc atattcttgt 100
taggccaggt gggcttggtg caggacaccc ccagtgcntg gattacgggc 150
cccctttcca gcccccttg caccttgagt tttgctctga ctatgagtcc 200
ttcggctgct gtgatcagca caaggaccgc cgcacgctg cccggtactg 250
ggacatcatg gaatattttg atctgaagag acatgagctg tgtggagatt 300
acattaaaga catcctttgc caggagtgc cgcctacgc agcccacctn 350
tacgacgccg aaaacaccca gacgcctctc cggaatctcc cgggcctctg 400
ctctgattac tgcctgcct tccattctaa ctgtcactca gccatttccc 450
tgctgaccaa tgaccgcggc ctccaggagt ctcatggaag ggacggtacc 500
cg 502

<210> 361

<211> 459

<212> DNA

<213> Homo Sapien

<400> 361

cccacgcgtc cggcttgaag actgacaaga tgtccctgtg gactcccaaa 50
ctctactcca gatggggagg tgcccttaac accaagattt taaaagctcc 100
aatttcagag caagagtcga aaactcacag ataaagttat agttatttca 150
gggttctgaa aagacgcaga acatgaaggg actcagaagt ctggcagcaa 200
caaccttggc tcttttctg gtgtttgttt tccctgggaaa ctccagctgc 250
gctccgcaga gactgttgga gagaaggaac tggactcctc aagctatgct 300
ctacctgaaa ggggcacagg gtcgccgctt catctccgac cagagccgga 350
gaaaggacct ctccgaccgg ccaactgccg aaagacgaag cccaaatccc 400
caactactaa ctattccgga ggcagcaacc atcttactgg cgtcccttca 450
gaaatcacc 459

<210> 362

<211> 442

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 23, 53, 59, 70, 357

<223> unknown base

<400> 362

aatcacccgg gtcgctgttc ctnaggtggt caaggtggac aggggcgggtg 50
gtnatggcnc agtttgacan tgaataccag cgcctagagg cctcctatag 100
tgattcaccc ccaggggagg aggacctgtt ggtgcacgtc gccgagggga 150
gcaagtcacc ttggcaccat attgaaaacc ttgacctctt cttctctcga 200
gtttataatc tgcaccagaa gaatggcttc acatgtatgc tcatcgggga 250
gatctttgag ctcatgcagt tcctctttgt ggttgacctc actaccttcc 300
tggtcagctg cgtggactat gacatcctat ttgccaacaa gatggtgaac 350
cacagtnttc accctactga acccgtcaag gtcactctgc cagacgcctt 400
tttgacctgt caagtctgta gtgccaggat tcaggaaaat gg 442

<210> 363

<211> 511

<212> DNA

<213> Homo Sapien

<400> 363

gtccgaacct gagcaaacac agcagcccga gtgttcccaa ggccaaaatg 50
ctgagaacgt ccactcctaa tctgtgtggt ggtctgcatt gccgggcccc 100
ctggctctct tctggcattc tctgcctctg cctcatattc ttgttaggcc 150
agggtgggctt gctgcaggga cccccccagt gcctggatta cgggccccct 200
ttccagcccc ctctgcacct tgagttttgc tctgactatg agtccttcgg 250
ctgctgtgat cagcacaagg accgccgcac cgctgcccgg tactgggaca 300
tcatggaata ttttgatctg aagagacatg agctgtgtgg agattacatt 350
aaagacatcc tttgccagga gtgctcgccc tacgcagccc acctctacga 400
cgccgaaaac acccagacgc ctctccggaa tctcccgggc ctctgctctg 450
attactgctc tgccttccat tctaactgtc actcagccat ttccctgctg 500
accaatgacc g 511

<210> 364

<211> 407

<212> DNA

<213> Homo Sapien

<400> 364

cccacgcgtc cgtgaacaca caaagagctt attttgtag gcaaatacac 50
attaataaga atgcctagaa gaggactgat tcttcacacc cggacccact 100
ggttgctgtt gggccttgct ttgctctgca gtttggtatt atttatgtac 150
ctcctggaat gtgcccccca gactgatgga aatgcatctc ttctggtgt 200
tgttggggaa aattatggta aagagtatta tcaagccctc ctacaggaac 250

aagaagaaca ttatcagacc agggcaacca gtctgaaacg ccaaattgcc 300
 caactaaaac aagaattaca agaaatgagt gagaagatgc ggtcactgca 350
 agaaagaagg aatgtagggg ctaatggcat aggctatcag agcaacaaag 400
 agcaagc 407

<210> 365
 <211> 552
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 42, 85, 93, 103, 129
 <223> unknown base

<400> 365
 tggttggggc ctccaagatt agaatgttac tagggccaaa ancagtggga 50
 ttggtaaaag aggcaatgat acccccatga gacntttcac atncagaacc 100
 agncagaact tcaaagggtt tgatgatanc aatgatgatt tcctgacaat 150
 ggcagaatgt caattcatta tcaaacatga acttgaaaat cttagagcta 200
 aagatgaaaa aatgatccct ggttaccctc aggcaaagtt gtatccagga 250
 aaatcattgt tgagaagatt gctcacgtct ggcacgtga ttcagggtgt 300
 tccactgcat gacagtgaag ccctgaagaa gcttgaggac acctggtaca 350
 ctcggtttgc tttgaagtat cagcccatag agaatcacag attggaatct 400
 gcctatcaga accatctaata tctgaaagtt ttagtggttca acttcctcaa 450
 ttgctttgcc tcaactcttct atattgcctt tgtcttgaaa gatatgaagc 500
 ttttgcgcca gagcttggcc actctcctaa ttacctccca gacctcaac 550
 cg 552

<210> 366
 <211> 244
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 74, 199
 <223> unknown base

<400> 366
 atttgattaa attatgaatg agttttacaa attcctttca gagttttact 50
 aagatcacac aaataacagc tttnttattc agtgaaaaag atattttatt 100
 tctgatgttt tatttgcact cgtggaatat gttaccatta atcagaaaca 150
 tcatggcaac ccctaagaat agactaagtt tgtgttggct gagggattnt 200
 atttggtttg cttttttttt gctttgttat attttattgc taca 244

<210> 367
<211> 448
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 100, 148, 251, 352
<223> unknown base

<400> 367
ggctacaact gctcaacatg ggaaaagaca ttccggggcag atcggcctttt 50
gaaagcttaa agggagcttg atgctggcaa tgggatcaga gtgtttgacn 100
tgacatcggg atgttcattg ctagtctgac catctggctc ctctgtanaa 150
acattgttca gaaacctgtg acagacgaag cagcacagag taacccggag 200
tttgaaaatg aagaattggc tgaaggagaa aaaattgatt cagaagaggc 250
nctgatctat gaagaggatt tcaatggagg agatggtgtt gaaggcgagt 300
tggaagaaag cacgaagtta aaaatgttcc gcaggcttgc ctctgtggcc 350
tntaagctca aggagttcat tggcaacatg atcaccactg ctgggaaagt 400
cgttgttacc atcttactgg gtcctcggg catgatgttg ccgtcttg 448

<210> 368
<211> 636
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 40, 57, 81, 133, 156, 158
<223> unknown base

<400> 368
ttaagccgga aaatcccctt gaaccacagaa gcggaaggtn cagtcaccca 50
aatggnngcc cattgcattc cagcctcggg ncggagcaag actttgttta 100
aaaaaaaaat ttaaattagc cattaccctt agntaatttt taaatttttt 150
gtgaananaag ggcctcactg tcttgcccag gctggtctcg aactccaggc 200
ttcaggtgat ccttctgcct tgccctccaa agggcgggat tacaggtgtg 250
agccactgtg cccaactcat tactttttta aaaaattact ttccatttct 300
agtttatata tgacaggtac ttactttaag tagtaaatat tatgtttaac 350
aataaataaa aatgatcagg atttcccccg acatgctttc ctttcttctc 400
tttttcttcc tttctctctc attttatccc ttctcctgcc ctttttgga 450
gtccttattg gaggaaaaaa taacttgccc tatttgtttc ctactaatt 500
gttatcagtc tcgggtatca aggcaagcag attcaaattg ctgtaatata 550
tacagtgcaa ttagattaga gtctactaag aatttaattg gagaatgttc 600

aaaatacttt tctaaagtta attttttttag tattca 636

<210> 369

<211> 458

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 34, 38, 57, 73, 118

<223> unknown base

<400> 369

tagaagggtcc gtcattggacc ccagatccat ttctagnaa ggccgtcatg 50

acaccnnga tccatttcct agnagggccg tcatgacacc ccggtcctt 100

ttcccctcag aggggctngt catgactcag acacatctcc tcccagagga 150

tccgtcatga ctctcagac acttcacccc caaggagggc ccgtcatgat 200

tctccagatc cttctcccc aaggaggcct cagcataatt cttcaggtgc 250

atctcctagg agagtccgtc atgattcacc agatccctct cctcctaggc 300

gagcccgtca tggttcctca gatattctct ccccagaag ggtccataac 350

aactcccctg acacatctag gaggactctt ggctcttcag acacacagca 400

actcagaagg gcccggtcatg actcccctga tttggctcct aatgtcactt 450

attccctg 458

<210> 370

<211> 538

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 5, 20, 47, 88

<223> unknown base

<400> 370

cggangcgtg gccgaacgcn tgggtccaacc atatgccagg ttcaacncgg 50

ataaaagtta ggaaacgtaa ccagcttcat ttttttgnca gcagacttaa 100

agatctgaaa cttggaacta atatcaagga tttatgtgct gctctttgga 150

ttctgatgaa gaatccagtg ctcatatgcc tagctctgtc aaaagctaca 200

gaatatttag ttattattgg agcttctgaa tttttgccta tatatttaga 250

aatcagttt atattaacac ccaactgtggc aactacactt gcaggacttg 300

ttttaattcc aggaggtgca cttggccagc ttctgggagg tgtcattggt 350

tccacattag aaatgtcttg taaagccctt atgagattta taatgggttac 400

atctgtgata tcaactatac tgcttgtggt tattattttt gtacgctgta 450

atccagtgca atttgctggg atcaatgaag attatgatgg aacaggggaag 500

ttgggaaacc tcacggctcc ttgcaatgaa aaatgtag 538

<210> 371

<211> 692

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 51, 77, 87, 103, 119, 154, 158, 165, 183, 212, 329, 476

<223> unknown base

<400> 371

aataaaaaat ggcttaaaag aacatttccg aaccaaaagg aaccggttcc 50
ngccttaaca aagtgggaca ttggccntca aaggggncct catgggaaca 100
tcntgttttg cggggggcang cacaatggtc aagggcttcc ctaaccgttt 150
gcanaagnag ttaancagca tgtgtcccaa tgnccccgcg aggtaaacgt 200
gctgcctgaa anagccagtc cgtgtggacc ggggctccat cctggcctca 250
ttcagggttt ccaaccattg tgggtccacc gctttgagta cgaggaacac 300
gggcctttct tcctctacag aaggtgttnt gaacggcgac aactttggcg 350
tcgtgagatt cttgtgagge gtctgcctgg aagccggcag caatttttgc 400
ttcttttaaag agaaaaagaa ggctagggac tcagattcct ggattctgag 450
atccagacca gtcctccca gacctntcca gaagaagcca tgggaacccc 500
tcgtatccag catttgctga tcctcctggc cctaggagcc tccctcctga 550
cctcgggcct agagctgtat tgtcaaaagg gtctgtccat gactgtggaa 600
gcagatccag ccaatatgtt taactggacc acagaggaag tggagacttg 650
tgacaaaggg gcactttgcc aggaaaccat actaataatt aa 692

<210> 372

<211> 399

<212> DNA

<213> Homo Sapien

<400> 372

gtgcgcataa agaggaggcg cttgccttca gcttgtggga aatcccgaag 50
atggccaaag caactcaact gttcgttgct tccagggcct gctgattttt 100
ggaaatgtga ttattggttg ttgcggcatt gccctgactg cggagtgcac 150
cttcttttga tctgaccaac acagcctcta cccactgctt gaagccaccg 200
acaacgatga catctatggg gctgcctgga tcggcatatt tgtgggcac 250
tgctcttctt gcctgtctgt tctaggcatt gtaggcatca tgaagtccag 300
caggaaaatt cttctggcgt atttcattct gatgtttata gtatatgcct 350
ttgaagtggc atcttgtatc acagcagcaa cacaacgaga cttttttcac 399

<210> 373
<211> 567
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 53, 78, 122, 286, 419, 449
<223> unknown base

<400> 373
tttaaggatg ttgccatgna ccatgttttt tcaaatttgc ttttcatttg 50
ggncctgttt ggagtccttg accgctanga tggttttcgt cgtctgggaa 100
cttgatcaga ctttgaagat tntaaatttg gaagatcagg gtgcactttt 150
gagtgatgat gaaatatattg tagccgcca attgggaaac atacctgcat 200
ggccttgccg aaatactttg aggtcacct ggccattaaa ttggaacaag 250
tgaagcagtc acttcagagg actgaggggtg gcattnttgt ccacccacaa 300
ccccgtaca aggcattgct atatactcat gaacagattg tggaaatgat 350
ggaatttttg atagaatatg gccagcgca gctatattgg gaaccagctg 400
aagttttcct caaactttnt tgtgtgcaac tcttggtgca gcttatttnt 450
attgcctgca attggaagac ctattatgca aggaatgaca ctgtgcgctt 500
tgctttggat gtcctggcta ttcttactgt ggtgccaaaa atccagctcc 550
agttggcaga atcagtg 567

<210> 374
<211> 299
<212> DNA
<213> Homo Sapien

<400> 374
aaatttttta aaaaaactcc ttaataggcc cttttttttt ttaacctgaa 50
agttgactac ctacctttca ggaaatatat attttttggg tttagctagg 100
ttgactttct tctagaaatg gaaaagatgg caccctcggt accaaagtgc 150
tgggactctg cactatgctt gtgtgtatgt gtgtgcctct gtcttgctct 200
cttatctccc agcagtgaga cattggacgt gtttgctcat gaagatgcag 250
tatatggctt gtctgtgagc ccagtgaatg acaacatttt tgccagttc 299

<210> 375
<211> 556
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 53, 55, 66, 111, 156, 188, 295, 517, 552
<223> unknown base

<400> 375

tttttttggg aggaggaatg tncattcagg gagtagcttt ttgggaaaaa 50
 ttntntaggg ctacanacag tcatgggtga ctttctttct gctgtgaaaa 100
 ctcccagagt ntcttttaggg attttcccta aggtgaccac caggcacacc 150
 tcagtnnttt tgacccagag cctgaaaact gttttcantg ggttccacca 200
 gtcccagcaa aatcctcttt gtatttattt tgctaagtta ttggggtttt 250
 gcttacatct catgattgat ataataccaa agttctatag ccttntcttg 300
 cagtatttgg atttgcttga aaccgggaaa actgttccca ttaggcttgt 350
 taatgtcaga gtgacactat tatgaatctt tctctccctt tectcggcct 400
 gtttcttctc tctttctcct tcaaacttgc tctgcagcta aggaagggtga 450
 gtctactttc cctgaggctt tggggtcaga gtatatgttg tttggagaaa 500
 gagggcaatc aggactnttc tgggaccag atgagttctt cactagccct 550
 tntgaa 556

<210> 376
 <211> 499
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 38, 68, 191, 193, 196
 <223> unknown base

<400> 376
 aaatgttacc ctatcctcgg anaagggttt gaatcccnct gatgtgtgtg 50
 gatccatttt ggtggtgnca atgattctct cgtcctattt tattaacttc 100
 atctaccttg caagagcaca aaaaaacccat gctaacttta actttggatg 150
 tgcaattaca ttctccttg ttgcaggagc attttttcca nanagntcca 200
 atcctgggta atccgaagcc aaagagagtg tttcttcagc atatgactag 250
 aacattccat gacttggaag gaaatgcagt taaacgggac tctggaatat 300
 ggatcaatgg gtttgattat actggaattt ctacataac cctcacatt 350
 cctgagatca atgatagtat ccgagctcac tgtgaggaga atgcacctct 400
 ttgtgggttt ccttggtatc ttccagtgc ctttctgatc aggaaaaact 450
 ggtatcttcc tgccccagaa gtttctccaa gaaatcctcc tcatttccg 499

<210> 377
 <211> 612
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 61, 63, 173, 419, 475
 <223> unknown base

<210> 381
<211> 652
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 35, 118, 136, 183, 281, 349
<223> unknown base

<400> 381
gaataagttg ggatttttna gcaaggattc caatntgatt cttaaaaaag 50
gagttagcca taaagccagt ggttttaatt agattcagat ttgattttta 100
aattttacgg gtttcagntt cagggaatgc taccncaaa atgagatttc 150
attactatat accagtgaaa tttctactct canattttct gtaatgtcat 200
ttttcatagt taggttttag aaagtatcta atcaggttgt gatgggtcaa 250
taaagggttc aaacacattt ctattttctg nttcaataaa tattttttat 300
attgcttatt cttatctatc tttacctaatt ttcttcctat ctttttcgnt 350
aactttcttt ttttttatTT tcttctaattg aagattctgc tttcttcac 400
taaacctgtc ccaaaaacct atgtaccaa acttggcaag ggtgatgtaa 450
aggataagtt tgaagccatg cagagagcca gggaagaaag aaatcaaagg 500
agatctagag acgaaaaaca aagaagaaaa gaacaatata ttagagagag 550
agaatggaac aggagaaagc aggaggttat tttattttac tttattctcg 600
tgaaaatatt tgtttgcatt ttttcattta aattgtattt attcacatta 650
ac 652

<210> 382
<211> 397
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 345
<223> unknown base

<400> 382
gtccatggag ctggtggtca aggtggacag gggcgggtgt gatggcgcag 50
tttgacactg aataccagcg cctagaggcc tcctatagt attcaccccc 100
aggggaggag gacctgttg tgcacgtcgc cgaggggagc aagtcacctt 150
ggcaccatat tgaaaacctt gacctcttct tctctcgagt ttataatctg 200
caccagaaga atggcttcac atgtatgctc atcggggaga tctttgagct 250
catgcagttc ctctttgttg ttgccttcac taccttcctg gtcagctgcg 300
tggaactatga catcctattt gccacaaga tggatgaacca cagntttcac 350

cctactgaac ccgtcaaggt cactctgcc aacgcctttt tgccctgc 397

<210> 383

<211> 573

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 38, 85, 121, 432

<223> unknown base

<400> 383

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gaataagggtt ggccttgtgc aaagtcccca aggcntgaca ttagtttgct 100

ggcaaggcaa ttgattcctc ntttcaacat cgcttatgca gctttctggt 150

cttcggtaat ctatgaattt ttggatcgtg tcatcaaagtg tccattgggt 200

ccttcttctt ggtgagtgtc ctgctgatca acgttctgaa agtgagccca 250

ttcaacaacg gtcaactggg catgggatct ttcgtcaaga atgagttttc 300

ggccccctcc taccttatgg gctataataa atccttgagt gtgggtggcaa 350

ccacaacttt tctgactggg attattcagc taataatggg cgtattgggt 400

ttgggcttca ttgccactta ctttccggag tntgcaatga gtgcttacct 450

ggctgctgtg gcacttcata tcatgctgtc ccagctgact ttcattcttg 500

ggattatgat tagtttccat gccgggccca tctccttctt ctatgacata 550

attaattact gtgtagctct ccc 573

<210> 384

<211> 561

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 21, 40, 73, 120, 487

<223> unknown base

<400> 384

tgtttatgtc acctaccttc nccttttttaa gttttgtccn agcaaacctt 50

gcagaatttt agatgaacat ggnaaaaatg ttacaatctg tgggcctgac 100

tttgggtcaag acctgtacan agatgaaaac ttgggtgacta tactggggac 150

cagcttctta atcggatgta tcttgtattc atgtttgaca tcaacaacaa 200

gatcgagtgc tgacgctctg caggggagat acgcagctcc tgaattggag 250

atagctcgct gttgtttttg cttcagtcct ggtggagagg aactgaaga 300

gcagcagccg gggaaggagg gaccacgggt catttatgac gagaagaaag 350

gcaccgtcta catctactcc tacttccact tcgtgttctt cctagcttcc 400

ctgtatgtga tgatgaccgt caccaactgg ttcaactacg aaagtgccaa 450
catcgagagc ttcttcagcg ggagctgggc catcttntgg gtcaagatgg 500
cctcctgctg gatatgcgtg ctgttgtacc tgtgtacgct ggtcgctccc 550
ctctgctgcc c 561

<210> 385
<211> 562
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 18, 77
<223> unknown base

<400> 385
aacagggggg ccgcttgntc cagaaatggt tcccctgggg aaagtggcat 50
cacttaatga cattcagcca acttacngaa tcctgaaacc atggtggaat 100
gtgtttatgg attacctagc tggtgttatg ttaatggtag ccatctttgc 150
aggaaccatg caactttacc aaagatcagg tggctctgtt gccagtattg 200
ccatctcctg taaattcaaa ggcacataca ccaccaggaa atgccgaggt 250
caccaccaac atcccaaaga tggaagcagc caccaaccaa gaccaagatg 300
ggcggacaac aaacgacatt tcctttggga catctgctgt gacacctgac 350
atacctctca gagccacata tcctcgcaca gatttcgcac ttccaaatca 400
ggaggcaaag aaagagaaga aagatccaac aggtcgaaaa acaaacttgg 450
attttcagca atatgtattt attaatacaa tgtgttacca tctggccctt 500
ccgtgggtatt ctaagtactt tccataccta gctcttatac atactattat 550
tctcatgggc ag 562

<210> 386
<211> 265
<212> DNA
<213> Homo Sapien

<400> 386
atcaagttgg tgaagaaaga acctatgaaa tctgtacaaa agattggggc 50
tttgttcttc ctgttaagtg gtgtactggg gatgaccgga agcatggcct 100
tgattgtttt ggattgggta cacaatgcac ctggaggtgg ccattaattg 150
gcaccactca aactcaaact cagtccatct gatgccagtg ttgagtaaac 200
tcaactacta tgaaatttca cctaattgtt tcagtttcac ttccttttga 250
agtgcagatt cctcg 265

<210> 387
<211> 457

<212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 30, 33, 50, 75, 92, 124, 173, 177, 218, 223, 235, 247, 285, 290,
 325, 437
 <223> unknown base

<400> 387
 tggatttaat ggggggaaag ggcggaaaan ggncaaggat ccaaactggn 50
 gaatttggtg attttcgggt ccctntccgc tttccggccg gncagcgctg 100
 ccaagggtat atttcctttt ttengatcct gcaacaagcc tctttaaact 150
 gtttaaata gaatgtcctt ggntcanaga gtactactca cctggctttt 200
 cacactactc ttcttganca tgntggtggt gaaanggatg agaaagncct 250
 tggactgggt cctcatattc attccagttg gaaanttgan actatccttc 300
 ttgtcctgct gattgtgaaa atggntgggc ggtgtaagtc tggctttgac 350
 cctcgacatg gatcacacaa tattaataaa aaagcctggt acctcattgc 400
 aatgttactt aaattagcct ttgcctcgc actctgnggt aaactggaac 450
 agttttac 457

<210> 388
 <211> 617
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 55, 80, 88, 107, 161, 181, 198, 203, 219, 233, 259, 272
 <223> unknown base

<400> 388
 gttaggtgat ccagggttttg ggggtttttgc aacccttggg gtcattgggc 50
 ccttnaaatt aatcttcggg gggggtcctn gccatggnca gccaaacatt 100
 tttgggnaca taccatttgg ttctgtaatc ggggcgtttt cagtttcctg 150
 tgtaaagggc ntgggcattg ctatcaagga nctgtttgca ggaagcntg 200
 tgntgcggca tcccctggnt tggattctgc tgntgagcct catcgtctgt 250
 gtgagcacnc agattaatta cntaaatagg gccctggata tattcaacac 300
 ttccattgtg actccaatat attatgattc tttaacaacat cagttttaac 350
 ttgttcagct attcttttta aggagtggca agatatgcct gttgacgatg 400
 tcattggtac ttgagtggc ttctttacaa tcattgtggg gatattcttg 450
 ttgcatgcct ttaaagacgt cagctttagt ctagcaagtc tgccctgtgtc 500
 ttttcgaaaa gacgagaaag caatgaatgg caatctctct aatatgtatg 550
 aagttcttaa taataatgaa gaaagcttaa cctgtggaat cgaacaacac 600

actggtgaaa atgtctc 617

<210> 389

<211> 365

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 20, 44, 50, 96, 107, 180, 185, 211, 289

<223> unknown base

<400> 389

aaaaaaaaa aaaaagaatn tgactatata ccatggaaaa gccnccactn 50

tgccacttaa ataaacatca ggatcagaga ttccaagagg acaatntgca 100

tcaagtnttc accaagtgtt ttttaagcga aataatgaaa tagggagcag 150

aatatgcctg ttgcccataag aaacgaggtn tattnttgtc ctcaattagg 200

cttttttttt nttcatagtt acaccagaac taaagtaaaa gtgggtttttc 250

tgttctttct acttctcccc atgaaatggg catatcatnt caacacttca 300

ctccaagtcg ccacgggcaa ctttatgacc ctaggtcctc caccctaata 350

gtatcatcat tgcca 365

<210> 390

<211> 442

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 209, 233

<223> unknown base

<400> 390

agggcgccca tttcgagccc aagtttccag ttcggggttc cgggctcaga 50

attttccagg agtgggttct tgggcagtgg ctgtggagca ggaatggcgc 100

agtagagggt tactgtttct cggccgcctt gagctgtacc tttttagtgt 150

cctgcctcct tttctccgcc ttcagccggg cgctgcgaga gccctacatg 200

gacgagatnt tccacctgcc tcaggcgcag cgtactgtg agggccattt 250

ctccctttcc cagtgggatc ccatgattac tacattacct ggcttgtacc 300

tggtgtcagt tggagtggtc aaacctgcc tttggatctt tggatgggtc 350

gaacatgttg tctgctccat tgggatgctc agatttggtta atcttctctt 400

cagtgttggc aacttctatt tactatattt gcttttccac aa 442

<210> 391

<211> 587

<212> DNA

<213> Homo Sapien

<220>
<221> unsure
<222> 74, 103, 117
<223> unknown base

<400> 391
ccagtttttc atggacatag aaaattccaa aagaataata atattgaatt 50
taaatttggg ggggttaaaa aaanaaaact taactttata aaattattta 100
ttntatttta agccttntat catattttcc ccatccaatt gtttggtttc 150
agtgggtccag cttttattta caggcatata aaagaaattg tgagatgttt 200
tgcaagcttt tttttacttt gagagctttt aatttgtatg tttttatgtg 250
gatgaagagc attttttatg tttttgtgca ataggttcca atatgcattt 300
attagacatc tgtttaaatg gtaatgtagc atttattttg ctaaattgaa 350
agggaaacata gatggaattc caaaatatgt acattcagct gtttggtttt 400
tcgtttttca ttgttattat tgtgagaatg ctgttattgg ggttgtgtgt 450
gagtgcccggt cagccagtga tgccctcgggc cacgctgtgg ggccacctca 500
gtcctgctgg gtcctggtgc cttggacccc acgtgcttgt ggccaggctg 550
cccctgggcg gggccatgtg gcctcagacc acaagag 587

<210> 392
<211> 444
<212> DNA
<213> Homo Sapien

<400> 392
cgtctccagt ctacctccga gagattagct gaaacacaga atatagcgcc 50
atcattcgtg aaggggtttc ttttgcgga cagaggatca gatgttgaga 100
gtttggacaa actcatgaaa accaaaaata tacctgaagc tcaccaagat 150
gcatttaaaa ctggttttgc ggaagggttt ctgaaagctc aagcactcac 200
acaaaaaacc aatgattccc taaggcgaac ccgtctgatt ctcttcgttc 250
tgctgctatt cggcatttat ggacttctaa aaaaccatt tttatctgtc 300
cgcttccgga caacaacagg gcttgattct gcagtagatc ctgtccagat 350
gaaaaatgtc acctttgaac atgttaaagg ggtggaggaa gctaaacaag 400
aattacagga agttgttgaa ttcttgaaaa atcccgaacc cctt 444

<210> 393
<211> 284
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 95, 109, 186, 244
<223> unknown base

<400> 393
 ggtcaagttc agtagtggtc tcaataagtg tgttaaactt gctttgggtg 50
 attgcaatca gcatgggatt tggccatttc tatggcccaa ttcanattca 100
 gaagcgtcna cagttagtca gaaagataca tgaagatgaa ttgaatgata 150
 tgaaggatta tctttcccag tgtcaacagg aacaanaatc ttttatagat 200
 tataagtcac tgaaagaaaa tcttgcaagg tgttgacac ctantgaagc 250
 agagaagatg tcctttgaaa ctcaggaacc cctt 284

<210> 394
 <211> 481
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 47, 94, 130, 192
 <223> unknown base

<400> 394
 gcagtgggtg atcataggca ctaaccctca aactcctgaa gttcaanaga 50
 ttgtcccatg tcagcctccc aagtagctgg gactatagac agnggccatc 100
 atgccagct aattattttt ttaattttan agaagagtct tgctagggtc 150
 cccaggctgg tctcgaactc ctgacctcaa ataactctcc cncctcaac 200
 ctctgaagta gctgcaatga cagggtgcaag cccactgtgt ttggctagag 250
 tctcatgttt ttctaattcc aaaaaagttc cataatgatt ttgattcaga 300
 ttgtattgag ttacacatt aatttaagaa gtgacatctt cataatacta 350
 actttcccca aaaagaaaca gggatatgtt ttccatttat atgagtgggg 400
 ttttttttgt tttgttttta cgtttttag ttttcttcat ataggttttg 450
 ccagagggtc ccaaactttc ttggttcatg g 481

<210> 395
 <211> 508
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 69, 473
 <223> unknown base

<400> 395
 agcatgggaa aggtaggaac cnagggaag gggcccccg agcgcaaggt 50
 gtcggtgccc accttcagnt ggaggagatt caaaagcata acctgcgcac 100
 cgacagggtg ctggtcattg accgcaaggt ttacaacatc accaaatggt 150
 ccatccagca cccggggggc cagcgggtca tcgggcacta cgctggagaa 200
 gatgcaacgg atgccttccg cgccttcac cctgacctgg aattcgtggg 250

caagttcttg aaacccctgc tgattggtga actggccccg gaggagccca 300
gccaggacca cggcaagaac tcaaagatca ctgaggactt ccgggccctg 350
aggaagacgg ctgaggacat gaacctgttc aagaccaacc acgtgttctt 400
cctcctcctc ctggcccaca tcatcgccct ggagagcatt gcatggttca 450
ctgtctttta ctttggcaat ggntggattc ctaccctcat cacggccttt 500
gtccttgc 508

<210> 396
<211> 519
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 38, 50, 74, 160
<223> unknown base

<400> 396
aatggtacaa cagtccttta atggttgccn caatggcntg aaatccaagn 50
attacagact tttgtgataa ggtnaagctt ggggcatcgt cctagaaacg 100
gtggccacaa gtgggggttg gacctcgggtg gccttcatgc tcaactctccc 150
gatcctcgtn tgcaagggtgc aggactccaa caggcgaaaa atgctgccta 200
ctcagtttct cttcctcctg ggtgtgttgg gcatctttgg cctcaccttc 250
gccttcatca tcggactgga cgggagcaca gggcccacac gcttcttcct 300
ctttgggatc ctcttttcca tctgcttctc ctgcctgctg gctcatgctg 350
tcagtctgac caagctcgtc cgggggagga agccccttcc cctgttggtg 400
attctgggtc tggccgtggg cttcagccta gtccaggatg ttatcgctat 450
tgaatatatt gtcccgacca tgaataggac caacgtcaat gtcttttctg 500
agctttccgc tccctcgctg 519

<210> 397
<211> 526
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 96
<223> unknown base

<400> 397
gacctcgacc ccagggtccg gttntacttt gtccctgctg ctgctggggg 50
ccctgggtct atgtgcatcc tcttcactat ctactggatg cagtantggt 100
gtggggcttt gcctggaatg gcagcattta catgttcaac tggcaccag 150
tgcttatggt tgctggcatg gtggtattct atggaggtgc gtcactggtg 200

taccgcctgc cccagtcgtg ggtggggccc aaactgccct ggaaactcct 250
ccatgcagcg ctgcacctga tggccttcgt cctcactgtt gtggggctgg 300
ttgctgtctt tacgtttcac aaccatggaa ggactgcca cctctactcc 350
cttcacagct ggctgggcat caccactgtc ttctcttcg cctgccagt 400
gttcttgggc tttgctgtct tctcctgcc ctgggcgtcc atgtggctgc 450
gcagcctcct aaaacctatc cacgtctttt ttggagccgc catcctctct 500
ctgtccatcg catccgtcat ttcggg 526

<210> 398
<211> 773
<212> DNA
<213> Homo Sapien

<400> 398
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ccaggcacca aggacagga gtcccaggcg cacaccccc attctgggtc 100
ccccaggccc agacccccac tctgccacag gttgcatctt gacctggtcc 150
tcttgcagaa gtggcccttg tggctctgct ctgagactcg tccctgggcg 200
cccctgcagc ccctttctat gactccatct ggatttggtt ggctgtgggg 250
acgcggtccg aggggcggcc tggctctcag cgtgggtggca gccagctctc 300
tggccaccat ggcaaagtct gagatctgag gggacaaggc tctacagcct 350
cagccagggg cactcagctg ttgcagggtg tgatggagaa caaactatgt 400
acctacacac cgtcagcgac tgtgacacca gctccatctg tgaggattcc 450
tttgatggca ggagcctgtc caagctgaac ctgtgtgagg atggtccatg 500
tcacaaacgg cgggcaagca tctgtgttac ccagctgggg tccctgtcgg 550
ccctgaagca tgctgtcctg gggtctacc tgctgggtctt cctgattctt 600
gtgggcatct tcatcttagc agtgtccagg ccgcgcagct cccctgacga 650
cctgaaggcc ctgactcgca atgtgaaccg gctgaatgag agcttccggg 700
acttgcagct gcggctgctg caggctccgc tgcaagcgga cctgacggag 750
caggtgtgga aggtgcagga cgc 773

<210> 399
<211> 546
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 20, 74, 80, 159
<223> unknown base

<400> 399

atcctggact tgacccaggn gtccgttgat tggaaaccggt ggtcggcaaa 50
 acaagtccgc tgggcagcag gagnagcagn aggattatta aataacgcag 100
 ttggactctg gcaactggga gtgaagagga gccaacagc cgagaaggga 150
 aggaggcana ggagggggac cagaaggaca cccccgtgcc ccgaagacat 200
 aaatccctga gtgcccggga ggagccttaa caagcgcacg gagccctcaa 250
 ggtgcaaagt tggttttcac agtgcaagcc tttgattccc aatgggggac 300
 tcaggatcaa gacgatctac cctggtctcc cggttgcca tattcagaag 350
 aagtattaac agaagacatg attctcttcc ttcttcacct tcttcagta 400
 atacagttgg tgtccacagt tcctctcctt ccagcactaa ctcaagctca 450
 ggtagcacag gtaaaccggag gagcatattc cgtactcctt ccattagctt 500
 ccaccataag aaggggagtg agcctaagca agagcctacc aaccag 546

<210> 400
 <211> 562
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 26
 <223> unknown base

<400> 400
 ggcttccctc gcgccccacc gncctnttcc ggaaggcggc tccctccctg 50
 cgcagcccgg agcccctgag atcagcctcg agcaggcgcc cgagcgagac 100
 tatccctaaa cgggaacggc ggtggccgac tcgcgagtga ggaaaagaag 150
 gaaagggcag actggtcgcg aagagaagat ccaggcctca gaggaggaga 200
 aaggccggag ccagccgagc tgtcacgacc ggagggggga ctgcgagcct 250
 taccaggggg gtgatgtttt acaggcactt aagtattcat cgaagagtca 300
 cccagtagc ggtgatcaca gacatgaaaa gatgcgagac gccggagatc 350
 cttcaccacc aaataaaatg ttgcggagat ctgatagtcc tgaaaacaaa 400
 tacagtgaca gcacaggtca cagtaaggcc aaaaatgtgc atactcacag 450
 agttagagag agggatggtg ggaccagtta ctctccacaa gaaaattcac 500
 acaaccacag tgctcttcat agttcaaatt cacattcttc taatccaagc 550
 aataacccaa gc 562

<210> 401
 <211> 536
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure

<222> 21, 99, 114
<223> unknown base

<400> 401
taacaaccac agaaactgga ntagtgggtcc tacagtagct gcagctgata 50
ccactgaaac taatttccct gaaactgcta gcaccacagc aaatacacnt 100
tctttcccaa cagntacttc acctgctccc cccataatta gacacatagt 150
tcctccacaa ttcctacacc tgctccccc ataattagta cacatagttc 200
ctccacaatt cctataccta ctgctgcaga cagtgagtca accacaaatg 250
taaattcatt agctacctct gacataatca ccgcttcctc tccaaatgat 300
ggattaatca caatgggttc ttctgaaaca caaagtaaca atgaaatgtc 350
ccccaccaca gaagacaatc aatcatcagg gcctcccact ggcaccgctt 400
tattggagac cagcacccta aacagcacag gtcccagcaa tccttgccaa 450
gatgatccct gtgcagataa ttcgttatgt gttaagctgc ataatacaag 500
tttttgctg tgtttagaag ggtattacta caactc 536

<210> 402
<211> 470
<212> DNA
<213> Homo Sapien

<400> 402
ccacagtatg gaagaatata cctgacttct agccctgtgc gccttctttt 50
gtttctgctg ttgctactaa tagccttgga gatcatgggt ggtggtcact 100
ctctttgctt caacttcact ataaaatcat tgtccagacc tggacagccc 150
tggtgtgaag cgcaggtctt cttgaataaa aatcttttcc ttcagtacaa 200
cagtgacaac aacatgggtca aacctctggg cctcctgggg aagaaggtaa 250
atgccaccag cacttgggga gaattgacct aaacgctggg agaagtgggg 300
cgagacctca ggatgctcct ttgtgacatc aaaccccaga taaagaccag 350
tgatccttcc actctgcaag tcgagatgtt ttgtcaacgt gaagcagaac 400
ggtgcactgg tgcacctgg cagttcgcca ccaatggaga gaaatccctc 450
ctctttgacg caatgaacat 470

<210> 403
<211> 509
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 29, 39, 124
<223> unknown base

<400> 403
gtcgggtggg acggccgctc cctgcaggng agttcgtgna cgacgacgtg 50

tgggcatcg tgaacaaacc ccgacgtgcg ggcccggcgc cccgctccgt 100
tggggcatct tcaccaacga cttntggggc aagggcatgg ccgagaacac 150
cagccacaag tcctaccgcc gctttgcgct ctcaccttca agctaaacat 200
atTTTTgact ggtatgaacc cattctactt tcatgcagta aatataattt 250
tacactgctt agtgactctt gtgctgatgt acacctgtga taaaactgtc 300
ttcaagaatc gtggacttgc ttttgtaacg gcattgcttt ttgctgtaca 350
tcctattcat actgaggcgg tggctgggat cgttggcaga gcggacgtgt 400
tagcgtgtct gctgtttcta ttggcctttc tctcgtacaa caggagtctg 450
gatcagggct gtgttggggg aagtttcctt tccacgggtg ctcccttctt 500
cttgctgct 509

<210> 404
<211> 400
<212> DNA
<213> Homo Sapien

<400> 404
cttgtttggt cgggtggaata tggtgggatt tatgtttgcc tctgaacaag 50
tgtcttgctc acatcgtaaa tgactttctc tccgaaacgc taaatattct 100
ttcccgagg agtcatatc cttattttcc atgacagatc ttaacggaca 150
atatatgcaa aagatatata aagatgataa ctaatatagt tatactgagc 200
ctgatcattt gcatttcgtt agctttctgg attatatcaa tgactgcaag 250
cacctattat ggtaacttac gacctatttc tccgtggcgt tggctgtttt 300
ctgttggtgt tcctgttctg atcgtctcta atggccttaa aaagaaaagt 350
ctagatcaca gtggggctct aggagggcta gtcgttggtt ttatcctaac 400

<210> 405
<211> 370
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 27, 36, 118, 138, 163, 179
<223> unknown base

<400> 405
aatgccccca agttaaatac ctccctcnacc tttaacntaag ttgctccttt 50
atTTTTattt tattattatt attattatta ttatTTTTtg agatggagtc 100
tcactttgta acccaggntg gaatgcaatg gcatgatntc agctcactgc 150
aacctccgcc tcntgggttc aagcaagtnt cctgcctcag cctccgagta 200
gctgggacta caggtgcacg ccaccacgcc tggctaattt tttgtatttt 250

agtagagacg gggtttcacc gtgttgccca ggctggtcgc gaactcctga 300
gctcaggcaa tccgcccacc tcagcctccc aaagtgttgg gattacaggc 350
atgagccacc atgcccagct 370

<210> 406
<211> 473
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 72
<223> unknown base

<400> 406
gggcttgaaa atctaaatac tttgaaatta gaataatata ttgtgtttta 50
gagcttttaa ttttcaaata tntgctgtcc acacacccca ttggaggagg 100
acctgtgtca ctaacccaaa tttgtagctg agaaaacaga ggcagagaga 150
ggttaagtaa aaaaccccaa gagagttcac ctaatatattgt gaagaaagca 200
aaccaggggt ttcactaact tgtccatgtg tgtatgtgtg tggctgcgtt 250
caccctgtg tgtgtgtgta ctgtgtgcat gcctgtgtgt ttgtgcacac 300
ccatgtgtat gtacctgcat acacacccaa gtgtgtgtgt taccacaacg 350
aaagcgcaga tttattgaaa agaaagtgc cccacagag tgggagcagg 400
ctagagccag tggctcagga gcctggttac agcattttct ggagtttaag 450
tgccctccag agttttccca ttg 473

<210> 407
<211> 539
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 35, 51, 98
<223> unknown base

<400> 407
cagccaggcc agagagggag ccgagccagg ccatntccaa ccatgtccga 50
ngaggcctcg gccatcactt cctacgagaa gtttcttaac ccccgagnag 100
cccttcccac tcttgggacc ttctctcgcg gggggcacct gcccgagcaa 150
ggagccgggc tgccctggaca tcaagcgact tcgggtgcca gctgtcctcc 200
tgccatcgca ccgaccgct ccaccgcttc cacaccaaca ggtggaacct 250
aacttcttgt ggaacaagtg ttgccagctc agaaggcagt gaggagctgt 300
tttcatctgt gtctgttgga gatcaagatg attgctattc cctgttagat 350
gatcaggact tcacttcttt tgatttattt cctgagggga gtgtctgcag 400

tgatgtctct tcttctatta gcacttactg ggattggtca gatagcgagt 450
 ttgaatggca gttaccaggc agtgacattg ccagtgggag tgatgtactt 500
 tctgatgtca taccagtat tccaagttca ccttgctg 539

<210> 408
 <211> 545
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 18, 55, 93, 146
 <223> unknown base

<400> 408
 tcaaaaaggt tgcattcntt ttgcataaac agggacttta tatagttaac 50
 tccenttata taaattctcc tatagtaatc tcaaagagta ttntagactt 100
 ctcaatgctt tttattgttg ctgaaaagca aaaagacttg ctgtgnaagt 150
 ggagaagact tcaacatcaa agtgattttt tctactctcc taggaatgaa 200
 aggaacacaa agggacccgg aagcatttct tgtccagatt gtgtcaaaat 250
 ctcaattgcc atctgagaat agagaaggta aagtgctgtg gactggctgg 300
 ttctgctgtg tatttggaga cagtcttctg gagactgttt cagaagattt 350
 cacctgtctg cccttattcc ttgcaaattg agcagagtct aacacagcaa 400
 taattggaac ttggtttcag aaaacctttg actgttattt cagtccttta 450
 gcaatcaatg catttaatct ttcttgatg gctgccatgt ggactgcatg 500
 caaatggac cattatgtgg ctactactga atttctttgg tctgt 545

<210> 409
 <211> 585
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 45, 77, 118, 121, 203
 <223> unknown base

<400> 409
 gacatttatt tttcatccat tgcaacccat tgccataaga acatnccat 50
 ggccttgaag cgcttcacag cagcatngtg gaatgcagaa ttggagccaa 100
 gcaattttca aagcaagntt nctgaaaatg aaaaaaata cttatattga 150
 aaaacttttt gagcgttatg gtgaaaatgg aagattatcc ttttttggtt 200
 tgnagaaact tttaacaaac ttgggccttg gagagagaaa agtagttgag 250
 attaatcatg aggatcttgg ccacgatcat gtttctcatt tagatatttt 300
 ggcagttcaa gagggaaagc attttcactc acataaccac cagcattccc 350

ataatcattt aaattcagaa aatcaaactg tgaccagtgt atccacaaaa 400
 agaaaccata aatgtgatcc agagaaagag acagttgaag tgtctgtaaa 450
 atctgatgat aaacatatgc atgaccataa tcaccgccta cgtcatcacc 500
 atcgtttgca tcatcatctt gatcataaca aactcacca ttttcataat 550
 gattccatta ctcccagtga gcgtggagcg gccgc 585

<210> 410
 <211> 446
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 45, 56, 67, 221, 289, 446
 <223> unknown base

<400> 410
 tacctattcc caggtttaat gttgattatt tatatttgaa aaaanttgat 50
 ttgtanaaac tgggtanatt actttcaaata taatcattta ttcctaattg 100
 accagggatg agtgagatgt ttatttagaa aacaaataat tttagatagg 150
 aaaattgaat ctttaaaaaa taatggatgat ttaatatatc aatgtgtggt 200
 ttttgtgtgt atgtgtgtaa nattggagca tccaggagtg tgcgggtgtgt 250
 atatgacctt atttttctac tgtatcttag aggttgcnc ttccatgggt 300
 ataaaactta attggatttc tcgattttta ttttgtttat gcacttttac 350
 aacttatgtc attttaggtt gtttattaat gccagttttg tataataaaa 400
 ttattagaga agttatgaag gaggatggca tgagtggggc ggccgn 446

<210> 411
 <211> 525
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 67, 95
 <223> unknown base

<400> 411
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 ctcggtgtcc aggttcntca tgggcaagtg ctcggggtga caaanaaggc 100
 gacattgact acagcacctg gtcctcggc atgctgggtga cgcaggacgt 150
 gcagctcggg cttttcatgg ctgtcatgcc gactctcata caggcgggca 200
 ccagtgcac ttctagcatt gtcgtggaag ttctccgaat cctgggtttg 250
 attggtcaga ttcttttttc actagcggcg gtttttcttt tatgtcttgt 300
 tataaagaag tatctcattg gaccctatta tcggaagctg cacatggaaa 350

gcaaggggaa caaagaaatc ctgatcttgg gaatatctgc ctttatcttc 400
 ttaatgttaa cggtcacgga gctgctggac gtctccatgg agctgggctg 450
 tttcctggct ggagcgctcg tctcctctca gggccccgtg gtcaccgagg 500
 agatcgccac ctccatcgaa ccccc 525

<210> 412
 <211> 457
 <212> DNA
 <213> Homo Sapien

 <220>
 <221> unsure
 <222> 27, 37, 114, 213
 <223> unknown base

<400> 412
 cagttttttt atagtgaata ccaaaancat cagcaancac tggactgtca 50
 acccaaggct tattgatatt tgcggagttg atttctgcga ttaagagacg 100
 ttggctcgcc ttctcgtga tcattgtgag cctgggctat ggcattgtga 150
 agcctcgttt aggaacagtc atgcaccggg tgatcggact ggggcttcta 200
 tacttaatct ttncagctgt tgaaggcgtg atgagagtca ttgggggttc 250
 taaccattta gctgttgctt ttgatgacat tatttttagca gttattgact 300
 ccatttttgt gtggttcatt tttattagtt tggcaciaaac tatgaagacc 350
 ctaaggctaa gaaagaacac tgtgaaattt tcattatata gacattttta 400
 aaatactctg atctttgctg tgctggcttc tatagtgttt atgggggtggg 450
 cggccgc 457

<210> 413
 <211> 541
 <212> DNA
 <213> Homo Sapien

 <220>
 <221> unsure
 <222> 51, 54, 80
 <223> unknown base

<400> 413
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 ncanctgttt atttttttgg gaaatgcttn aaaaagcagt ttttttatag 100
 tgaataccaa aacatcagca aactggact gtcaacccaa ggcttattga 150
 tatttgcgga gttgatttct gcgattaaga ggacgttggc tcgccttctc 200
 gtgatcattg tgagcctggg ctatggcatt gtgaagcctc gtttaggaac 250
 agtcatgcac cgggtgatcg gactggggct tctatactta atctttgcag 300
 ctggtgaagg cgtgatgaga gtcattgggg gttctaacca tttagctgtt 350

gttcttgatg acattatattt agcagttatt gactccattt ttgtgtgggt 400
cattttttatt agtttggcac aaactatgaa gaccetaagg ctaagaaaga 450
acactgtgaa attttcatta tatagacatt ttaaaaatac tctgatcttt 500
gctgtgctgg cttctatagt gtttatgggg tgggcggccg c 541

<210> 414
<211> 523
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 20, 172
<223> unknown base

<400> 414
accggcccgt gagccggccn tgcgccggca ggtcgccgga catactgtgg 50
cgcgttttgg gctggaggat agttgcaagt attgtttggt cagtgcatt 100
tctacccatc tgcaccacag tatttataat tttcagcagg attgatttgt 150
ttcatcctat acagtggctg tntgattctt tcagtgcact gtatagttcc 200
tatgtaatct tttacttcct gctgctgtca gtggaataa taataataag 250
tattttcaat gtggagttct atgcagttgt gccttctatt ccttgctcca 300
gactagctct gataggggaag atcattcatc ctcagcaact catgcactca 350
tttattcatg ctgcaatggg aatgggtgatg gcctgggtgtg ctgcagtgat 400
aaccagggc cagtacagct ttcttgtggg tccctgcact ggtactaaca 450
gctttggtag cctgctgcg caaacctgct taaatgaata tcactttttt 500
ttcctactga ctggagcggc cgc 523

<210> 415
<211> 544
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 2, 30, 40, 117
<223> unknown base

<400> 415
gnccacactg gccaaacggg gcatcatggn cacactgccn aaatagggcc 50
gccatgttgc agcaggatag taatgatgac cctgaagatg tttcactgtt 100
tgatgcggaa gaggagncga ctaatagacc aaaaagcca aaatcagaca 150
tccagtagca tcgtttttcc actttattct ttcgagtcag tgcaatcatc 200
gtctatcttc tctgtgagtt gctcagcagc agctttatta cctgtatggt 250
gacaattatc ttgttggtgt cgtgtgactt ttgggcagtg aagaatgtca 300

caggtagact aatggttggc ctacgttggg ggaatcacat tgatgaagat 350
 ggaaagagcc attgggtggt tgaatctaga aaggagtcct ctcaagagaa 400
 taaaactgtg tcagaggctg aatcaagaat cttttggttg ggacttattg 450
 cctgtccagt actgtgggtg atatttgctt ttagtgcact cttctccttc 500
 agagtaaagt ggttggcggg ggttatcatg ggtgtggcgg ccgc 544

<210> 416
 <211> 473
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 35, 46, 62, 69, 142, 185, 252
 <223> unknown base

<400> 416
 cagcagtcct tatgattatg gaggaaagtg gaggnccctt atagcnaaac 50
 aggtatgctg gntatgacnt attcgcagca aaggcagatt tgtccccctcc 100
 agacatgatg cagccacaac agccatacac cgggcagatt tnccagccaa 150
 ctcaggcata tactccagct tcacctcage ctttntatgg aaacaacttt 200
 gaggatgagc cacctttatt agaagagtta ggtatccaat tttgaccaca 250
 tntggcaaaa aacactaaca gtattacatc cgttaaaagt agcagatggc 300
 agcatcatga atgaaactga tttggcaggt ccaatggttt tttgccttgc 350
 ttttggagcc acattgctac tggctggcaa aatccagttt ggctatgtat 400
 acgggatcag tgcaattgga tgtctaggaa tgttttgttt attaaactta 450
 atgagtatga caggtgcggc cgc 473

<210> 417
 <211> 417
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 31, 53, 80, 96, 110, 130, 227
 <223> unknown base

<400> 417
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 tgnagaggaa gacctgaagg ttcagcatan tagctacaag acagangggc 100
 ccggctgttn aaggaccage tctccctggn aaatgtgcac tttcagatca 150
 caagatgtga aattgcagga tgcaggggtg taccgctgca tgatcaagct 200
 atggtggtgc cgactacaag cgaattnctg tgaaagtcaa tgccccatac 250
 aacaaaatca accaaagaat tttggttgtg gatccagtca cctctgaaca 300

tgaactgaca tgtcaggctg agggttaccc caaggccgaa gtcattctgga 350
 caagcagtga ccatcaagtc ctgagtggta agaccaccac caccaattcc 400
 aaggagagg cgccgc 417

<210> 418
 <211> 585
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 64, 67, 70, 78, 109, 152
 <223> unknown base

<400> 418
 aggtgcttgt gctcgaaccc agtgggtggg gcggtgctcc tcaagcttgt 50
 gtgcctgcta accntcntgn gtccgggntg gcaagagtgt gggactttcc 100
 ccctggcgnc cgtggacaac atgatgggtca gaaaagggga cacggcgggt 150
 gnntaggtgt tatttgaaag atggagcttc aaagggtgcc tggctgaacc 200
 ggtcaagtat tatttttgcg ggaggtgata agtggtcagt ggatcctcga 250
 gtttcaattt caacattgaa taaaaggac tacagcctcc agatacagaa 300
 tgtagatgtg acagatgatg gcccatcac gtgttctgtt cagactcaac 350
 atacaccag aacaatgcag gtgcatctaa ctgtgcaagt tcctcctaag 400
 atatatgaca tctcaaata tatgaccgtc aatgaaggaa ccaacgtcac 450
 tcttacttgt ttggccactg ggaaaccaga gccttccatt tcttggcgac 500
 acatctccc atcagcaaaa ccatttgaaa atggacaata tttggacatt 550
 tatggaatta caagggacca ggctggggcg gccgc 585

<210> 419
 <211> 575
 <212> DNA
 <213> Homo Sapien

<400> 419
 taaactacac tcagtataca gtgatagtgg gatttgaaca cctgaagctc 50
 cccatcaaag ggaatgaact tcacatgaag acttataacc ctgccttctc 100
 ccgggttgga aatctggttc cggtttttct ttgtggtgct caccttcac 150
 gtcacttgcc tgtttgcgca ttccctccgg aaattttcca tgagagactg 200
 gggcatcgag cagaagtgga tgtctgttct cctgcctctg ctgctacttt 250
 acaatgatcc gttcttcccc ctctccttcc tgggtcaacag ctggctccca 300
 gggatgctgg atgacctctt tcagtcctatg ttctgtgcg ccctgctgct 350
 cttctggctg tgcgtgtacc acgggattcg tgtccaggga gaaagaaagt 400
 gtttaacttt ctatttgcct aaattcttca ttgttggaact attgtggttg 450

gcttctgtta cgctaggaat atggcaaaca gttaacgaat tacatgatcc 500
aatgtaccag tatcgagttg ataccggaaa ttttcaggga atgaaggtct 550
tcttcatggg gggggcagcg gccgc 575

<210> 420
<211> 572
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 90
<223> unknown base

<400> 420
gtgtctgctc gccctccgac gctgctcagg aatttgcaag aaactgaagt 50
tttgattcag atatattttg aattgaaacc agagatgtn tagagtttag 100
attctttcat ttgattaagg tatggtctga atatgcgttg cttggcagct 150
cgggtcaact ataagacttt gattattatc tgcgcactct tcactttggg 200
cacagtactt ttgtggaata agtgttccag tgacaaagca atccagtttc 250
cacggcgttc gagtagtggc ttcagagtgg atgggtttga aaaaagagca 300
gcagcatctg agagtaacaa ctatatgaac cacgtggcca aacaacagtc 350
tgaggaagca ttcctcagg aacagcagaa agcaccctct gttgttgggg 400
gcttcaatag caatgtggga agtaagggtg tagggctcaa atatgaagaa 450
attgactgtc tcataaatga tgaacacaca attaaaggga gacgagaggg 500
gaacgaagtc tttcttccat tcacttgggt tgagaaatat tttgatgttt 550
atggaaaggt ggtggcggcc gc 572

<210> 421
<211> 581
<212> DNA
<213> Homo Sapien

<400> 421
aggctcccgt gtctgctcgc cctccgacgc tgctcaggaa tttgacaaga 50
aactgaagtt ttgattcaga tatattttga attgaaacca gagatgttct 100
agagtttaga ttctttcatt tgattaagggt atggtctgaa tatgcgttgc 150
ttggcagctc ggggtcaacta taaggctttg attattatct gcgcactctt 200
cactttgggtc acagtacttt tgtggaataa gtgttccagt gacaaagcaa 250
tccagtttcc acggcgttcg agtagtggct tcagagtgga tgggtttgaa 300
aaaagagcag cagcatctga gagtaacaac tatatgaacc acgtggccaa 350
acaacagtct gaggaagcat tccctcagga acagcagaaa gcaccctctg 400

ttgttggggg cttcaatagc aatgtgggaa gtaaggtgtt agggctcaaa 450
tatgaagaaa ttgactgtct cataaatgat gaacacacaa ttaaagggag 500
acgagagggg aacgaagtct ttcttccatt cacttgggtt gagaaatatt 550
ttgatgttta tggaaaggtg ggggcggccg c 581

<210> 422
<211> 264
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 17, 36, 139, 173, 224, 246
<223> unknown base

<400> 422
ttcttttttt tccccngca attttttcag tgaaanacat ggagtctttc 50
atcttggaga gttgtcagag tcaagatttt gctgtttag ccagtgtttt 100
aaaacaattc acaaagactt tctaggagag gaagagagnc tgaggggaaga 150
agagatacag aaaaagaaaa tgnccaggatt gaacctggaa actcacagaa 200
tctctgactc atgctggaaa tgtntttggg tacctcttgc cttttntgtg 250
ttggcggcgg ccgc 264

<210> 423
<211> 601
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 36, 78, 88, 207
<223> unknown base

<400> 423
tgaaaggacc cctagttccc ctggcaaagt nttttnttca atccccact 50
tcattttcct taagagccat tccaagtntc ttcctttntc gataccccaa 100
ccagctcaca tcccactcaa ggggtgagat gccctcctca ccattgaaga 150
gatcaagccc ccagggggga accagctcaa cttccccctc tgtctctccg 200
aagagcntcc tgtttgaaaa ctgagggcag ctgtaccccg tgcgaagttc 250
ttgctcccgt cttcccatgt cttccaggat tttccttcat agtggggatt 300
actcgctaac ctttccttcc tcacctactt ccccttttcc ttcagctttc 350
accgtgttta aatcttctaa taattctttt tatgacatct tgtttttcaa 400
gctcttctcc agtgatccct ccacttctcc aatggccctt ttcactaaac 450
ctccaaattt gtctttgctg acatttattg agctgctatt acatgttcta 500
aatgctttac ttgtcgtatt taatcctaac aacaacctac aaggtaggcc 550

ttgctattat ctccatttta tagttgaaga aactgaggct gccgcggccg 600

c 601

<210> 424

<211> 573

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 68, 71, 78, 104, 106, 194, 237, 309, 319, 416, 462

<223> unknown base

<400> 424

tatcggcaca ttggcaaaga caacattcag gcccaatggc ccacaaattg 50

gtccgcccac tgccattntg naaaaggntt cactgcaaata taaaaagca 100

tcctnatga aaagagattg gaaaggcctc tccaagcaac tggactggga 150

tgttcgaagc attcagcgtt ggttcgcaaa gacgcaatca gganaagccc 200

aagcacgggt gacgagggtc tgtgagagca tgtgganatt ttcattttac 250

ctttatgtat ttacctacgg agtcagattc ctgaaaaaga ccccttggtt 300

gtggaatang aggcattgnt ggtacaacta cccctatcag ccactcacia 350

ctgaccttca ctactattac atcctggagc tgcgttttta ttggtctttg 400

atgttttctc agttcnctga tatcaaaaga aaggactttg gcattatgtt 450

cctgcactac cntgtatcta ttttcttgat taccttttca tatgtcaaca 500

atatggcccg agtaggaacg ctggtccttt gtcttcatga ttcagctgat 550

gctcttctgg aggctgcggc cgc 573

<210> 425

<211> 632

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 19, 110

<223> unknown base

<400> 425

atTTTTtgaa attaatgcnt gagctttatt ttgtttaatt gttatgcccc 50

ctggattggg acaagcatca cctctgaatt ttgaagacct taatgtgtgt 100

tagccattgn aaagctactc aagtgtgtgt caagagtcat acccacatcc 150

ctttgatcaa atttactaca cgagctgcac tgacattcta aactgggttta 200

aatgcacgcg gcacagagtc agctatcgga cagcctatcg acatggggag 250

aagactatga caggcgcaag tctcagtgtt gtcctggatt ttatgaaagc 300

ggggaaatgt gtgtcccccac ctgtgctgat aaatgtgtcc atggctcgtg 350

tattgctcca aacacctgtc agtgtgagcc tggctgggga gggaccaact 400
gctccagtgc ctgcatggt gatcactggg gtccccactg caccagccgg 450
tgccagtgca aaaatggggc tctgtgcaac cccatcacccg gggcttgcca 500
ctgtgctgcg ggcttccggg gctggcgctg cgaggaccgc tgtgagcagg 550
gcacctatgg taacgactgt catcagagat gccaatgcca gaatggagcc 600
acctgcgacc acatcacggg gctggcgggc gc 632

<210> 426
<211> 251
<212> DNA
<213> Homo Sapien

<400> 426
ttttcaatga aaaaaagaat cccaaaaaaa aaagttgtca gcctcatttg 50
tgcgtcatcc cttattttcc tgggatctca ggacctctgt ccctctcatt 100
tctcacttct gagatctgca catcttttac ccaggagcct cagagctcct 150
gagtctgggtg tctgcctatc cccatcttca ctgttagtcc tcctgcagat 200
tctgtgtctc ctttcatgta ggtgctggat ccctgtgtgt ggagcggccg 250
c 251

<210> 427
<211> 607
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 56, 99, 150
<223> unknown base

<400> 427
acaaagtttc ccaatgactt gttaaaagtc gatggtgtag ctcaagatgg 50
aaccncaat gtacattaat aacaaaagtt cacaacgggc aaaggacct 100
cacatgtgca aggaaaatgt gcggagatta ttgggctcac cttgggtacn 150
tgaactacac tcagtataca gtgatagtgg gatttgaaca cctgaagctc 200
cccatcaagg gaatgaactt cacatggaag acttataacc ctgccttctc 250
ccggttgga atctgggttc ggtttttctt tgtggtgctc accttcatcg 300
tcaattgcct gtttgccat tccctccgga aattttccat gagagactgg 350
ggcatcgagc agaagtggat gtctgttctc ctgcctctgc tgetacttta 400
caatgatccg ttcttcccc tctccttcc ggtcaacagc tggctcccag 450
ggatgctgga tgacctctt cagtccatgt tcctgtgcgc cctgctgctc 500
ttctggctgt gcgtgtacca cgggattcgt gtccagggag aaagaaagt 550
tttaactttc tatttgcta aattcttcat tgttggaacta ttgtgggttg 600

cggccgc 607

<210> 428
<211> 583
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 119
<223> unknown base

<400> 428
gcatccgctt gactgcatnt gagttttccc agtctgtctt tggggatggg 50
gccatgccat agtcttgatg tcttgtgccg tgtgattttt gcagataaga 100
tgacttggcc catggcccnc agatcactta ttctggggaa gtgtaggaac 150
agtggttgcc taaccaagt tcttacatga tgtacctttt tcctttctaa 200
aaaataactt aaaaatatga aatatactaa ttgttttcag atattacata 250
caattggaaa gtggacaagt tcctgtatat gctgtcactt ttcaagaacc 300
tgagaatgat cctcggaatt gctgttactt gtgggctgtt cagtctacac 350
aagataggta ggtctcatac aaactttggt ttgttttggt ttgttttttt 400
ggagacagag tctcgctctg ttgtccaggc tggagtgcag tggcgtgatt 450
tcggctcact gcaacctccg cctcccggat tcatgccatt ctctcgctca 500
gcctcccag tagctgggac tacaggtgcc tgccaccatg cctggctaata 550
ttttatatatt tcagtagaga cgggagcggc cgc 583

<210> 429
<211> 462
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 51-52, 54
<223> unknown base

<400> 429
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nnanagctgg cttttcacac atgcagttgt tagtgtttac tgcccttgcc 100
attttaatta tgaggctaaa gatgtttttg acaccgcaca tgtgtgttat 150
ggcttccttg atatgctctc gacagctctt tggctggctt ttctgcagag 200
ttcgttttga gaaggttatc tttggcattt taacagtgat gtcaatacaa 250
ggttatgcaa acctccgtaa tcaatggagc ataataggag aatttaataa 300
tttgccctcag gaagaacttt tacagtggat caaatacagt accacatcag 350
atgctgtctt tgcaggtgcc atgcctacaa tggcaagcat caagctgtct 400

acacttcac ccattgtgaa tcatccacat tacgaagatg cagacttgag 450

ggctgcggcc gc 462

<210> 430

<211> 546

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 6, 36, 64

<223> unknown base

<400> 430

ggcccncaact ggccaaaata gttggaatgc cttttnttat tcaccaatgg 50

ggcccaaggg gaanagtggg tgtttggggg gcctttttgc accatcatca 100

catccctgga tacttgtaac caatttgcc ttagtgccat catgactgta 150

atgagtgtgg acaggtactt tgccctcgtc caaccatttc gactgacacg 200

tggagaacaa ggacaagacc atccggatca atttgggcct ttgggcagct 250

tcctttatcc tggcattgcc tgtctgggtc tactcgaagg tcatcaaatt 300

taaagacggg gttgagagtt gtgcttttga tttgacatcc cctgacgatg 350

tactctggta tacactttat ttgacgataa caactttttt tttccctcta 400

cccttgattt tgggtgtgcta tattttaatt ttatgctata cttgggagat 450

gtatcaacag aataaggatg ccagatgctg caatcccagt gtaccaaacc 500

agagagtgat gaagttgaca aagatgggtg tgggtgctggc ggccgc 546

<210> 431

<211> 526

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 56, 64

<223> unknown base

<400> 431

aggtgtcacc atggcaaagc ttcccttctt gattctctcg agtttggtga 50

agcgtntacg gttncactga cggattcaga agctcatttt acctcagctt 100

tcattgaaac tacctcctat cttgagtctt cactcatttc ccatgaatcc 150

gcagtcactg cactgggtgcc ccccggtctg agtcttttga cattttgact 200

gccgggattc aagcaacatc accattgacc actgtccaca caacgcccac 250

tttaactgag tcttctttgt tctcaactct gacacctcct gacgacaaa 300

tcagtgtct agacgggtcac gtgtctgtcc tggcctcttt ctccaaagcc 350

attcccactg agctgaccgt cgtgggcccac tactcacac ccacagaggt 400

gccactgaac acctccacgg aagtgagcac aaccagcacc ggtgctgcca 450
 ctggtggtcc cctcgactcc accctgatgg gtgacgccgc aagtcagagc 500
 cccccagaga gtagtgctgc tectcc 526

<210> 432
 <211> 525
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 17, 93, 107
 <223> unknown base

<400> 432
 acactcagaa caggagnaat ttggactaat tttcaaacta cagacacttt 50
 ctaatcatga tgcatttcaa aagtggactc ggaatttaac tgnngttgcaa 100
 aacatgncag tgcccagagga tgataacatt agcaatgact ccaatgattt 150
 caccgaagta gaaaatggtc agataaatag caagtttatt tctgatcgtg 200
 aaagtagaag aagtctcaca aacagccatt tggaaaaaaa gaagtgtgat 250
 gagtatattc caggtacaac ctcccttaggc atgtctgttt ttaacctaa 300
 caacgccatt atgggcagtg ggattttggg actcgccctt gccctggcaa 350
 acactggaat cctacttttt ctggtacttt tgacttcagt gacattgctg 400
 tctatatatt caataaacct cctattgatc tgttcaaaag aaacaggctg 450
 catggtgtat gaaaagctgg gggaacaagt ctttggcacc acaggggaagt 500
 tcgtaatctt tggagccacc tctct 525

<210> 433
 <211> 558
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 23, 111, 130, 146
 <223> unknown base

<400> 433
 ccaacccaat taccaagcag atncttttgg gggattccag ccatcagaca 50
 aggaacccat ggcagctgca gggttttttg cattgtgcaa gcttatgctt 100
 tcttgcagat ntgagagccg attaacaaan caagagttcc agaccntttt 150
 ctttttgggt gtatcactag ctgcaggtgc tgtgttcctt agtgtcatct 200
 atttgactta tacaggttac attgcacat ggagtggcag gttttattca 250
 ttgtgggata ctgggtatgc aaaaatacac attccaatta ttgcatcagt 300
 gtctgagcat caacctacga cttgggtgtc tttcttcttt gatctacata 350

ttcttgtatg taccttccca gcaggccttt ggttctgcat caaaaatata 400
aacgatgaaa gagtatttgt tgctctatat gcaatcagtg ctgtctactt 450
tgctggagtg atggtgcgac tgatgttgac ttgactcca gtcgtgtgta 500
tgctgtctgc aattgccttt tcaaagtgtt ttgagcacta tttgggggct 550
gcggccgc 558

<210> 434
<211> 490
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 74
<223> unknown base

<400> 434
attgcagctg ttattttttt ggaaatgctt gaaaaagcag ttttttatag 50
tgaataccaa aacatcagca acantggact gtcaacccaa ggcttattga 100
tatttgcgga gttgatttct gcgattaaga ggacgttggc tcgccttctc 150
gtgatcattg tgagcctggg ctatggcatt gtgaagcctc gtttaggaac 200
agtcatgccc gggatgatcg actggggctt ctatacttaa tctttgcagc 250
tggtgaaggc gtgatgagag tcattggggg ttctaaccat ttagctgttg 300
ttcttgatga cattatttta gcagttattg actccatttt tgtgtgggtc 350
atthtttatta gtttggcaca aactatgaag accctaaggc taagaaagaa 400
cactgtgaaa ttttcattat atagacattt taaaaatact ctgatctttg 450
ctgtgctggc ttctatagtg tttatggggc gagcgccgc 490

<210> 435
<211> 536
<212> DNA
<213> Homo Sapien

<400> 435
ggccacactg gccaaactaa aatttttggt attgcagatg acgctcatat 50
tggaactta ctaacatcaa aattcttttag ttataaggat tttgatactt 100
tattgtatac ctgtgcagcg gagtttgact ttatggaaaa agagactcca 150
ctgagataca caaagacatt attgcttcca gttgttcttg tagtgtttgt 200
tgctattgtt agaaagatta ttagtgatat gtgggggtgtc ttagctaaac 250
aacagacaca tgtaagaaaa caccagtttg atcatggaga gctggtttac 300
catgcattgc aattgttagc atatacagcc cttgggtattt taattatgag 350
actaaaactc ttcttgacac cacacatgtg tgttatggca tcaactgatct 400

gctcaagaca gctatttgga tggctctttt gcaaagtaca tcctggtgct 450
 attgtgtttg ctatattagc agcaatgtca atacaagggt cagcaaattct 500
 gcaaaccag tggaatattg taggggaggg ggccgc 536

<210> 436
 <211> 513
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 19, 40, 57, 66
 <223> unknown base

<400> 436
 agggtttttaa taggactanc agtacgatgg gcagtgtctn ttaattttta 50
 ttcaggngct ggtaanccgc ctatgttttg tgattatgaa gctcagagac 100
 ctggcaagaa ataacttttt aatttaccgg tcaaacaatg gtattttacc 150
 agcagtgata acaatttaca gtattgggga ttggattacc cacctcttac 200
 agcttatcat agtctcctat gtgcatatgt ggcaaagttt ataaatccag 250
 actggattgc tctccataca tcacgggtgga tatgagagtc aggcacataa 300
 gctcttcatg cgtacaacag ttttaattgc tgatctgctg atttacatac 350
 ctgcagtggg tttgtactgt tgggtgctta aagaaatctc aactaagaaa 400
 aagattgcta atgcattatg catcttactg tatccaggcc ttattcttat 450
 agactatgga cattttcaat ataattctgt gagtcttggc tttgctttgt 500
 ggggtgcggc cgc 513

<210> 437
 <211> 570
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 32, 48, 72
 <223> unknown base

<400> 437
 cactggccaa aaaattcgat gcgaggccca gnaagcacgc tgaaacctg 50
 gcggcggcaa gctgtgcgac tnttttgagg ccggcctggg cagggtgtctt 100
 cctcgagagg caggcagggg atcccggaca ctagctttat cgtcatctgg 150
 gaaattgtta aaaatgcaaa ttcgcaagtt tgagagccat ggttccaaga 200
 aactgcataa gcatacgaaa taagttgcag cctcccgact tataccctgg 250
 tacttctagt ctaaaacagg atttgactct actaatccag ccttatacag 300
 gatgctgtgt tctttgctcc tttgtgaatg tctgttgctg gtagctgggt 350

atgctcatga tgatgactgg attgacccca cagacatgct taactatgat 400
gctgcttcag gaacaatgag aaaatctcag gcaaaatatg gtatttcagg 450
ggaaaaggat gtcagtcctg acttgatcatg tgctgatgaa atatcagaat 500
gttatcaciaa acttgattct ttaacttata agattgatga gtgtgaaaag 550
aaaaagaggg gtgcggccgc 570

<210> 438
<211> 557
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 33, 51
<223> unknown base

<400> 438
agaaaaagaa gaatcaacgt aaataagata aanggattca aaataaagat 50
ntcttgaaga gaaataagaa tcatttaciaa aagcagcaga gaaaaatttt 100
acagatgaag gagccagcta ttttaagatgg gcatcaagggt tctccagcag 150
tctaaaagcc aaaaacaaaa agaagaagcc tacctacttt ttgccaaagc 200
agctgacatg ggaaacttga aagctatgga gaaaatggct gacgctttgc 250
tatttggaag ttttggcgtg caaaatataa cagcagctat ccaattatat 300
gagtccttgg ctaaagaagg atcatgtaaa gcccaaaacg cattaggatt 350
tttgtcttct tatggaatag gaatggaata tgatcaagct aaggcactga 400
tatattacac ctttggaagt gctggaggaa acatgatgtc ccagatgatt 450
ttgggggtaca gatattttgtc gggaatcaat gttctacaga attgtgaagt 500
tgccctaagt tattacaaga aagtggcaga ttatattgct gacacatttg 550
aaaaaag 557

<210> 439
<211> 330
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 116-117, 135, 196, 261
<223> unknown base

<400> 439
ttttgttgcc ttgggtgttc tcacactctg caagttttac ttgcagggtt 50
atcgagtttt catgaatgat cctgccatga atcggggcat gacagaagga 100
gtaacgctgt taatcnntgg cagtgcagac tgggntgata gaacatgcag 150
gttgttcatc gggcattctt gctcagtatt atccttttca ttgtcngtag 200

cttctatcct acagtctatg ttagaaattg cagatcctat tgttttggca 250
 ctgggagcat ntagagacaa gagcttggtg aaacacttcc gtgctgtaag 300
 cctttgttta tttttattgg tattccctgc 330

<210> 440
 <211> 549
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 46, 64, 82, 85, 88, 169
 <223> unknown base

<400> 440
 accaccttgc ccatttatatt tggcccttgt taaaccaata actgcntatc 50
 cagatatgcc acantttttgc ctgctgtggc anccntcntg gataggtgct 100
 cttgttaatc acatggatgt tatataagag ttgggccggc ccagcacaca 150
 aggtcagcat gtgctcttnt gtcacgctct cgctatagct gttgtccaga 200
 tcgttatctt ctcagaaagc tgggcatttg ccaagaacat caacttctat 250
 aatgtgaggc ctctctcga ccctacacca tttccaaata gcttcaagt 300
 ctttacttgt gaaaacgcag gggataatta taactgcaat cgatgggcag 350
 aagacaaatg gtgtccacaa aatacacagt actgtttgac agttcatcac 400
 ttcaccagcc acggaagaag cacatccatc accaaaaagt gtgcctccag 450
 aagtgaatgt cattttgtcg gttgccacca cagccgagat tctgaacata 500
 cggagtgtag gtcttgctgt gaaggaatga tctgcaatgt agaattacc 549

<210> 441
 <211> 303
 <212> DNA
 <213> Homo Sapien

<400> 441
 atttatatttg ctaaattgaa agggaaacata gatggaattc caaaatatgt 50
 acattcagct gtttggtttt tcgtttttca ttgttattat tgtgagaatg 100
 ctgttattgg ggttggtgtg gagtgcccggt cagccagtga tgcctcgggc 150
 cacgctgtgg ggccacctca gtccctgctg ggtcctggtg ccttggaccc 200
 cacgtgcttg tggccaggct gcccctgggc ggggccatgt ggcctcagac 250
 cacaagagcg gagctgccct ggcccaagca ctgcagctgc ctgcaccccc 300
 ggg 303

<210> 442
 <211> 559
 <212> DNA
 <213> Homo Sapien

<220>
<221> unsure
<222> 22, 38, 63, 90, 138
<223> unknown base

<400> 442
cgaccgccct tcgcggggca gnaaggccag ggggtgctnag ttctttcacc 50
tccttttaga ctnaagattt gccaaagttt ccggcattgn tcttgaggat 100
ctcagaaggg ctctttaagc aagactgcaa atgggtgngt atttgtcatg 150
aaccgaatga attccccaga acagtggttt cactcagcgc aggggaatgg 200
ctctttggga ttgttattct tctgcttggt gatgtgatat gggttgcttc 250
ctctgaactt acttcgtatg tttttacca gtacaacaaa ccattcttca 300
gcacctttgc aaaaacatct atgtttgttt tgtacctttt gggctttatt 350
at ttggaagc catggagaca acagtgtaca agaggacttc gcggaaagca 400
tgctgctttt tttgcagatg ctgaaggcta ctttgctgct tgcacaacag 450
atacaactat gaatagttct ttgagtgaac ctctgtatgt gcctgtgaaa 500
ttccatgatc ttccaagtga aaaacctgag agcacaacaa ttgatactga 550
aaaaacccc 559

<210> 443
<211> 559
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25, 50
<223> unknown base

<400> 443
gacctcgacc caagggtccg cgganggggtg ggactgggtca tggatctttn 50
gtcaagaatg agtttcggcc ccctcctacc ttatgggcta taataaatcc 100
ttgagtgtgg ggcaaccaca acttttctga ctgggattat tcagctaata 150
atgggcgat tgggtttggg ttcatgtcca cttaccttcc ggagtctgca 200
atgagtgctt acctggctgc tgtggcactt catatcatgc tgtcccagct 250
gactttcatc tttgggatta tgattagttt ccatgccggt cccatctcct 300
tcttctatga cataattaat tactgtgtag ctctcccaaa agcgaattcc 350
accagcatte tagtatttct aactggtggt gttgctctgc gaatcaacaa 400
atgtatcaga atttctttca atcagtatcc cattgagttt cccatggaat 450
tatttctgat tattggcttc actgtgattg caaacaagat aagcatggcc 500
acagaaacca gccagacgct tattgacatg attccttata gctttctgct 550
tcctgtaac 559

<210> 444
<211> 547
<212> DNA
<213> Homo Sapien

<400> 444
acagttgtgg ggaatcactg ttcctgggta gaaatttctg cattttatat 50
tattttcttg gctatatcc caaagcttgg attagcactg ctatgaacct 100
tcacatagat gagcagggtc ataggccact tgacacagtg agtggcctct 150
taaactcttc gttactctac catgtctggc tgtgtgggtg ctttctcctg 200
acgacttggg atgtctcatg gatactcttc aaaatctatg ccacagaggg 250
tcatgtgttt cctgttcaac caccatttgc agaagggtca gatgagtgcc 300
ttccaaaagt gttaaatagc aatcctcccc ccatcataaa gtatttagcc 350
ttgcaggacc tgatgttgct ttctcaatat tctccttcac gaagacaaga 400
agttttcagc ctcagccaac caggtggaca tccccacaat tggacagcca 450
tttcaaggga gtgtttgaat cttttaaatg gtatgactca gaaactgatt 500
ctctatcaag aagctgctgc tacgaatggg gggcatcatg cggccgc 547

<210> 445
<211> 525
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 40, 69, 176
<223> unknown base

<400> 445
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ggaagagaca ttttcagcnt ggacgtggat ggccgcgttc tgggtggat 100
agttaccttt ggcataattc tccctctgtg tctcttgaag aacttaggga 150
tcttggctat actagtggat tttccttgag ctgtatgggt ttttctctaa 200
ttgtgggtat ttacaagaaa tttcaaattc cctgcattgt tccagagcta 250
aattcaacaa taagtgctaa ttcaacaaat gctgacacgt gtacgcaaaa 300
atatgttacc ttcaattcaa agaccgtgta tgctttacc accattgcat 350
ttgcatttgt ttgccacccg tcagtcctgc caatttacag tgagcttaaa 400
gaccgatcac agaaaaaat gcagatgggt tcaaacatct cctttttcgc 450
catgtttgtt atgtacttct tgactgccat ttttggctac ttgacattct 500
atgacaacgt gcagtcgcgc gccgc 525

<210> 446
<211> 510

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 2, 287
<223> unknown base

<400> 446
gnccacactg gccaaaaggt tgccgctagc cgcctgggaa ttttaagggac 50
ccacactacc ttcccgaagt tgaaggcaag cgggtgattgt ttgtagacgg 100
cgctttgtca tgggacctgt gcggttggga atattgcttt tccttttttt 150
ggccgtgcac gaggcttggg ctgggatggt gaaggaggag gacgatgaca 200
cagaacgctt gccagcaaa tgcgaagtgt gtaagctgct gagcacagag 250
ctacaggcgg aactgagtcg caccggtcga tctcganagg tgctggagct 300
ggggcaggtg ctggatacag gcaagaggaa gagacacgtg ccttacagcg 350
tttcagagac aaggctggaa gaggccttag agaatttatg tgagcggatc 400
ctggactata gtgttcacgc tgagcgcaag ggctcactga gatatgcaa 450
gggtcagagt cagaccatgg caacactgaa aggcctagtg cagaagggcc 500
ctgcggccgc 510

<210> 447
<211> 551
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 32, 95, 98, 107, 207, 374
<223> unknown base

<400> 447
aagttttttt ttaattatca tgggacgggt tntggattta atggggggaa 50
aagggcggaa aaggacaagg atccaaactg ggggaatttgt tgatnttngg 100
gtccctntcc gctttccggc cggcagcggc tgccagggtta tatttccttt 150
tttccgatcc tgcaacagcc tctttaaaact gtttaaatga gaatgtcctt 200
ggctcanaga gtactactca cctggctttt cacactactc ttcttgatca 250
tgttgggtgtt gaaactggat gagaaagcac cttggaactg gttcctcata 300
tttattccag tctggatatt tgatactatc cttcttgtcc tgctgattgt 350
gaaaatggct gggcgggtgta agtntggctt tgaccctcga catggatcac 400
acaatattaa aaaaaaagcc tggtagctca ttgcaatgtt acttaaatta 450
gccttctgcc tcgcactctg tgctaaactg gaacagttta ctaccatgaa 500
tctatcctat gtcttcattc ctttatgggc cttgctggct ggggcggccg 550

c 551

<210> 448
<211> 346
<212> DNA
<213> Homo Sapien

<400> 448
taattaaaat gcacacacac acacacacac acagaaattt tgagagccat 50
tttaatatata ttgcctccct agaaacatac ctttttaggga atttttatca 100
ctaaaccaca tggtatttaa atacgtacat gtttaacata aatacataca 150
taaaattcac atgcatactt aacacttatg ttaaatatat tcaatgtata 200
tacatatgta cacaatatat gcatatatac atgtgggtat gtggtatgtg 250
tgcattgtgtg tgtatggcca gctacataat ttgtgggact aagggcaaaa 300
tgaaactgta cggccctcgt tcaaaaatta ggtgtggggc ggccgc 346

<210> 449
<211> 550
<212> DNA
<213> Homo Sapien

<400> 449
ccagtttgtc aaactactac tcttcaatgc ttctacatag cattctttaa 50
gggcaaattt gtaggctatc caggagacc cagtttattg gttgggaaaa 100
tacagaaatg aagagtgtga cccaggtggc tgtcttcttg aactgacaac 150
tcagcttgac aataatcatg ggaggaaaag caatctggaa taacatacaa 200
gaagtattat tgccctggat catgaatcta attgggcgat ttacagagt 250
ttctggatca gaaaagataa cccacgatg ggaacaggac taccatctgc 300
agcctatggg caaactggga ttattttatg aatatcttga aatgattatt 350
cagtttgggt tcgtcacctt atttgtggcc tcttttccac tggccctct 400
gttggctctc gtgaacaata tattggaaat aagagtggac gcatggaaac 450
tgaccacca gtttagacgc ctggtaccag agaaagccca agacattgga 500
gcatggcagc ccatcatgca aggaatagca attctggctg tggcggccgc 550

<210> 450
<211> 499
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 57, 65, 68, 100, 146, 160, 177, 194, 237
<223> unknown base

<400> 450
ctgttaatga ttgcatttgg ccttgctggg ggggcatttt cttgcggatc 50
aaaccncgc aaagngtntt catttccacg tgtctgtctt gtcaagcacn 100

cccttggtgt ccaggttcct tcatggccag tgctcggggt acaaanaagg 150
 cgacattgan tacaagcccc gtgctcntcg gcatgctggt aacncaggac 200
 gtgcagctcg ggctcttcat ggccgtcatg ccgactntca tacaggcggg 250
 cgccagtgca tcttctagca ttgtcgtgga agttctccga atcctggttt 300
 tgattggtca gattcttttt tcaactagcgg cggtttttct tttatgtctt 350
 gttataaaga agtatctcat tggaccctat tatcggaagc tgcacatgga 400
 aagcaagggg aacaaagaaa tcctgatctt gggaatatct gcctttatct 450
 tcttaatgtt aacggtcacg gagctgctgg acgtctccat ggagctggg 499

<210> 451
 <211> 474
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 26, 61, 77, 92, 99, 118, 136, 148, 167, 171, 228, 233, 255, 283,
 347, 404, 468
 <223> unknown base

<400> 451
 atcccaggcc tttaggcccc ggaatnaaca attgcaatgc acgtttaagg 50
 aaaaggccat ntcggattca gaccctnacg gccttcccac antttgtcnt 100
 cacttgcaac agggcttngg gtgggcctcc cgtttntaaa gcaccccnct 150
 atgaatgcac agcaggncaa naccgaagtc ccaagactgc ctgggcctac 200
 tggccccct agcatttgtg cagaggtntc cntacaagc tcccatgttg 250
 ggaanaagca cagaccacc aggaccctg ttntcctcct cagatcccct 300
 tcctgccacc ttttcccact ccggggactc agcccaggac acctcgntga 350
 ttctgcccc ctttacacct gcaagcaggg atgccggcat cagaagaatg 400
 tttngtgttt gaaattgttt gaggggtttg ggtttatttt tgttggtttt 450
 ttcttttttt ttgcttangt gggc 474

<210> 452
 <211> 421
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 108, 153
 <223> unknown base

<400> 452
 acggcgctcc ccgcccgaat tcaaagctcc gagtcacccg tgtggggcat 50
 tcgtcccccc tggcacagtt ggccctcttc cagaagcccg ttttgtttgt 100

tttacgtnta aattcgcgtc ggttcttatt tctctccctg gcaaggtctg 150
 aanacgggta ggagaataac ctgtgtcagc gtgttatgat gccgtcccgt 200
 accaacctgg ctactggaat ccccagtagt aaagtgaat attcaaggct 250
 ctccagcaca gacgatggct acattgacct tcagtttaag aaaaccctc 300
 ctaagatccc ttataaggcc atcgcacttg ccaactgtgct gtttttgatt 350
 ggcgcccttc tcattattat aggctccctc ctgctgtcag gctacatcag 400
 caaagggggg gcagaccggg c 421

<210> 453
 <211> 504
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 84, 117, 121
 <223> unknown base

<400> 453
 gtcattcttta cattctagtc ctctgcac tcctcaaggt tcccctcaca 50
 aaggttacac acttattcca tcagctaaat ctgncaactt gtctgactcc 100
 agccatagtg agatttnttc ncgggtccagc atcgtgagca attgttctgt 150
 tgactccatg tctgcagctc tacaggatga acgggtgttc tctcaggccc 200
 tggcagtccc tgaatccact ggggcattgg aaaagacaga gcacgcttca 250
 gggataggag atcatagtca acatggccct ggggtggacac tcttgaagcc 300
 atctctaate aagtgtttag ctgtctcatc gtctgtgagc aatgaagaga 350
 tttctcaaga gcatatcatt atagaagcag ctgacagtgg tcgtggaagt 400
 tggacttcgt gttcaagcag ctcccatgac aacttccaaa gccttccaaa 450
 cccaaaaagc tgggattttt tgaactctta cagacatacc catttggaatg 500
 accc 504

<210> 454
 <211> 474
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 21, 46, 55, 81, 86, 218, 301
 <223> unknown base

<400> 454
 ttatgctttt cttgcagtat ntgaaaggcc cgattaacaa aacaanagtc 50
 ccaanacccc ttttcttttt tgggtgtatc nctagntgca ggtgctgtgt 100
 tccttagtgt catctatttg acttatacag gttacattgc accatggagt 150

ggcagggtttt attcattgtg ggatactggg tatgcaaaaa tacacattcc 200
aattattgca tcagtgtntg agcatcaacc tacagacttg ggtgtctttc 250
ttctttgatc tacatattct tgtatgtacc ttcccagcag gcctttgggt 300
ntgcatcaaa aatatcaacg atgaaagagt atttggtgct ctatatgcaa 350
tcagtgtgtg ctactttgct ggagtgatgg tgcgactgat gttgactttg 400
actccagtcg tgtgtatgct gtctgcaatt gccttttcaa atgtttttga 450
gcactatttg gggggagcgg ccgc 474

<210> 455

<211> 525

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 28, 57, 91-92, 98-99, 127, 133, 151, 178, 221, 236, 239, 267,
295, 301, 325, 349, 381, 396, 426, 441, 481, 498, 501, 516

<223> unknown base

<400> 455

gccagaaaac ccttaagaaa aaaagcgnag gaaattttcg ccaaagctga 50
aagatcncag cggcctgaga aaaaagtttg ccccaaaaag nntgttnna 100
aaaggccaag gaggaagccc cctttnttcc ctngggcact tgtatttttt 150
naaccctgct ttcccccatt cccactnat gaggatcagc ccatgggtgg 200
atTTTTgcga tgatttcctg ngtcctggag tctttntcng gtcaacgggt 250
ttcttggtat atttgcncat ttagactgat gtcaattcag gagcncggag 300
ngaagtacaa gcttatggat gggtnctcag cccacctttg cggctagtnc 350
ttgtcagcag cccggggccat tggagcatat nttttctgcc agtttncgga 400
gacagcctcg ttgtgctggg ggccncaggt ggtggctctt ntggacatct 450
ggttcatctt agtggctggt ccagaatcct ntgcatgaga aaatgagncc 500
nggtttcctg gggagntgcg gccgc 525

<210> 456

<211> 506

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 94, 139, 162, 195, 257

<223> unknown base

<400> 456

tccttggttaa acatgaaggg ccccggtagc catggtttgg ccaccttcat 50
tccaagcacc ccgccccagc aaggcctcct ggtacctttg tcanccactt 100
gttgtagaag gtgatgccga tggagaagca gtagtagana agcaccagcc 150

ccagggtcaa cncgccttc cacaaaaagc cacatcgagg gccncctcc 200
 ccattcgtgg cggtgcagc accggagctc ctgagtcagc gggggcaggc 250
 acccctnttg aatacaatgt gcaggaagag ccggtggagt tagaccacag 300
 ctttcaccaa gaacgtctcc aggctggagg agctctctgc agtccatga 350
 ttcggaacca tcagcagagc cccaggcaga gtcctcacct aaggggctgg 400
 tggctggtgc tgacccttcc catggttaat tggatgcagc gctcacaggt 450
 cccaaggtct gctcggccct gggagctcca ggccggaatt tttggccagt 500
 gtggcc 506

<210> 457
 <211> 194
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 36
 <223> unknown base

<400> 457
 tgctcccctc tctcctctcc acaatctcac ccattntgca tgtgccggtg 50
 ccctttcctg tcateccacc tttctctgag actgtgttct tttttcttaa 100
 ttctgttttc tgtttgttct ttaggttgca tagtctttat tgatatttct 150
 ttgaattcac tgattcttct gccagctcag tctgttggtg agcc 194

<210> 458
 <211> 480
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 40, 61, 105, 128, 193, 217, 229
 <223> unknown base

<400> 458
 gattacaaaa acaaaaaatg ttaatttaa gtgaaagggn ttaataattt 50
 taatctggga nttaataatt cagtggaaat tttaaataga tagttactat 100
 aatcncaa attgagagt caactttntt tttcccaaaa acatacatga 150
 aaggtctgtg tgtgtaagct ctgattttca ggaccctat ttntggaage 200
 agagtaactg gaaatantaa gtcaagatnt gaaaaccatt tgaagttaac 250
 caaaaagcac aggctactaa ggcagggtgca gcatcaatga ttcactacat 300
 gggtctgata tcagctcgtt tgggtactact cactttgtgt ggatgggtac 350
 tttgttggaac cctcgtcaat ctctttcgaa gccattcagt cctcaatctc 400
 cttttccttg gctaccggtt tgggtgtttat gttcctcttt gctgttttca 450

tcaagatagt agagcacatc ttctttctcac 480

<210> 459

<211> 564

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 57, 73, 84, 93, 105, 147, 150, 156, 235

<223> unknown base

<400> 459

cgggtccgaat atccggaacc tgacccaatc cttggccttt gaaactttca 50
ttttttngtt gtctgcctca acncgtcagg tggngcccaa acnttggtta 100
agtcnagatc cgggggaggg tacttcatgg ccttggactc catattnttn 150
tgcatntacg tggtgaaagc cctgctcaag atcatcgccc tgggcctctt 200
ggtacttctt tgacttctgg aacaatttgg acttnttcat tatggccatg 250
gccgtgctgg acttcttgct gatgcagacc cactccttcg ccatctacca 300
ccaaagcctc ttccggatcc tcaaggtctt caagagcctg cgggccctga 350
gggcaatccg ggtcctgcgg aggtcagct tectgaccag cgtccaggaa 400
gtgacagggg ccctgggcca gtecttgccg tccatcgag ccattcctcat 450
cctcatgttt acctgcctct tctctttctc cgcggctctc cgggcactgt 500
tccgcaaate tgacccaag cgcttcaga acatcttcac caccatcttc 550
accctcttca cctt 564

<210> 460

<211> 565

<212> DNA

<213> Homo Sapien

<400> 460

caaagaaaag aaaagggcac ttcggagcaa atcatacact aggcctttga 50
tgctttaatt cttcttcagt tcattaaaag taactactaa ggaaaggtta 100
aaaacttccc ctcaaaaagg aatcaacccc aggaagtaat catttacaac 150
gattttccca aattttgaca atctgtcctg gaaagcaaac ccctttttaa 200
atctaagtgc tgggctttga gtattagctc atttaggggtg gacaaatgca 250
ttactgtttt caaactgctc acatttatte agtatttctc caagttgcta 300
tctactcagc cttatgaatg cccctcgctt ttctaaggcc atgtgaaaat 350
cacggcactg cccttagcct tgtgtcatct gctttttcgt tctgcgatat 400
gccagttcc caaatcaatt ataggtacct gtttaggaga gaggaagatt 450
ttacctctca aagggtgaga tttgaaattt aactaaaaa gacaacttta 500

catttaatgc ttcacttaat gagacattct tttttttata agtctatattt 550

tctactcagt ttcag 565

<210> 461

<211> 563

<212> DNA

<213> Homo Sapien

<400> 461

atgcagttgt taaggtttac tgccttgcc attttaatta tgaggctaaa 50

gatgtttttg acgctgcaca tgtgtgtatg gcttccttga tatgctctcg 100

cagttctttg gtggcttttt cgcagagttc gttttgataa tgttatcttt 150

ggcattctaa cagtgatgtc aatacaaggt tatgcaaacc tccgtaatca 200

atggagcata ataggagaat ttaataattt gcctcaggaa gaacttttac 250

agtggatcaa atacaatacc acatcagatg ctgtcttcgc aggtgccatg 300

cctacaatgg caagcgtcaa gctgtctaca cttcatccca ttgtgaatca 350

tccactttac gaagatgcag acttgagggc tcggacaaaa atagtttatt 400

ctacatatag tcgaaaatct gccaaagaag taggagagaa attggtggag 450

ttacatgtga attattatgt tttagaagag gcatggtgtg ttgtgagaac 500

taagcctggt tgcagtatgc ttgaaatctg tgatgtggaa gacccttcca 550

atgcagctaa ccc 563

<210> 462

<211> 487

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 17, 37, 70, 126, 128, 131, 150, 161, 172, 234, 299, 321, 368

<223> unknown base

<400> 462

gaagtggggc caacatntga caaaactccc aatgaangat tccccgcttg 50

aaacaatggg ggcagggctn ccggttcga ggggcaagtt tcaagcattc 100

aacaaagggg cccccgaaa atttcnangg ngtccaacac tcagtgccn 150

cagcccagcc ncagaacca anacataagg catgtcatcc acaagctctc 200

ctttggggac aacgctacag gtccagaaca tccncggagc tttcaatgct 250

ctcgggggag cagacagact cacctccaac cccctggcct cccacgacnt 300

acatcctgaa gattgtgccc ncggtttatg aggacaagag tggcaagcag 350

cgggtactcct accagtanac ggtggccaac aaggaatacg tcgcctacag 400

ccacacgggc cgcacatcc ctgcaatctg gttccgctac gacctcagcc 450

ccatcacggt caagtacaca gagagacctg cggccgc 487

<210> 463
<211> 535
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 59, 66, 82, 227, 440
<223> unknown base

<400> 463
tatcaagggg cgggttttgg atttaatggg gggaaaaggg gggaaaaggg 50
caggatccna actgngaat ttggtgattt tnggggccct ttccgctttc 100
cggccgggaa gggctgccag ggtatatattc cttttttccg atcctgcaac 150
agcctcttta aactgtttaa atgagaatgt ccttggctca gagagtacta 200
ctcacctggc ttttcacact actcttnttg atcatgttgg tgttgaaact 250
ggatgagaaa gcaccttgga actgggtcct catatttatt ccagtctgga 300
tatttgatac tacccttctt gtccctgctga ttgtgaaaat ggctgggcgg 350
tgtaagtctg gctttgaccc tcgacatgga tcacacaata ttaaaaaaaaa 400
agcctgggtac ctcatgcaa tgttacttaa attagccttn tgccctcgac 450
tctgtgctaa actggaacag ttactacca tgaatctatc ctatgtcttc 500
attcctttat gggccttgct ggctggagcg gccgc 535

<210> 464
<211> 451
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 57, 59
<223> unknown base

<400> 464
aaaaggccaa ttttaagcaa aatataacaa aacgagaagt ggaggatgac 50
ttgggtntna gcatgctgat tgactcccag aacaaccagt atattttgac 100
caagcccaga gattcaacca tcccacgtgc agatcaccac tttataaagg 150
acattgttac cataggaatg ctgtccttgc cttgtggctg gctatgtaca 200
gccataggat tgcttacaat gtttggttat attatttgtg gtgtacttct 250
gggaccttca ggactaaata gtattaagtc tattgtgcaa gtggagacat 300
taggagaatt tgggggtgtt ttactcttt ttcttggttg cttagaattt 350
tctccagaaa agctaagaaa ggtgtggaag atttccttac aagggccgtg 400
ttacatgaca ctgttaatga ttgcatttgg cttgctgtgg ggagcggccg 450
c 451

<210> 465
<211> 573
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 33, 79
<223> unknown base

<400> 465
cactggccaa accattatat ggcatactct ggntacgtgg tctgcctgtt 50
attggaaaga tatattaaga atccagttnt ggattgcagc tgttattttt 100
ttgggaatgc ttgaaaaagc agttttttat agtgaatacc aaaacatcag 150
caacactgga ctgtcaaccc aaggcttatt gatatttgcg gagttgattt 200
ctgcgattaa gaggacgttg gctcgccttc tctgatcat tgtgagcctg 250
ggctatggca ttgtgaagcc tctgttagga acagtcatgc accgggtgat 300
cggactgggg cttctatact taatctttgc agctgttgaa ggcgtgatga 350
gagtcattgg gggttctaac catttagctg ttgttcttga tgacattatt 400
ttagcagtta ttgactccat ttttgtgtgg ttcattttta ttagtttggc 450
acaaactatg aagaccctaa ggctaagaaa gaacactgtg aaattttcat 500
tatatagaca ttttaaaaat actctgatct ttgctgtgct ggcttctata 550
gtgtttatgg ggtgggcggc cgc 573

<210> 466
<211> 506
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19
<223> unknown base

<400> 466
tggatggtac cctggcccnt ccagagtccc agggcaatgg gtccattttc 50
agcccaatgt ggtgtacatt accctacgct ccaagcgcag caagccggcc 100
aatatccgtg gcaccgtaag cccaagcgca ggaaaaagca tgcagtggca 150
tcggctgccc cagggcagga ggctttggtc ggaccatccc ttcagccgca 200
ggaagcggca agggaagctg atgctgtagc acctgggtac gctcagggag 250
caaacctggt taagattgga gagcgacct ggaggttggt gcgggggtccg 300
ggagtgcgag ccggggggccc agacttcctg cagcccagct ccaggagag 350
caacattagg atctacagcg agagcgcccc ctctggctg agcaaagatg 400
acatccgaag aatgcgactc ttggcggaca gcgcagtggc agggctccgg 450

cctgtgtcct ctaggagcgg agcccgtttg ctggtgctgg aggggggtgc 500
ggccgc 506

<210> 467
<211> 410
<212> DNA
<213> Homo Sapien

<400> 467
aacctgtgac gttagtgtgt tcttactagc tttaatttgt atgtagcaat 50
gaattgtgaa tcttagtgca gtgggttttt ttaaaaaact caaaaagctg 100
ggaattaagg gtttcagtaa taatgctata ccgaggtgct tgcattgtat 150
ttcataattt tgttacaaac caaaattatt tttaatgaga acagtcttgg 200
gttcagaggt gtgatgccag aatgtatttt cgtactgtta ggcccttgga 250
acagataccg gtgctttctg aaagatgaaa gaaatgcaat ggggtgctctt 300
catgcaaggt tgcaaaccta ccaagaatgc ataatagtct cacttttccc 350
caataaagag atgcgtgtga ctagtttttg acttttaacc ttaatgggga 400
tggcggccgc 410

<210> 468
<211> 395
<212> DNA
<213> Homo Sapien

<400> 468
atggtcctgg gcatccattg acctgcttcc tgtccctgta gattagtttt 50
gcctgttcta gaattttatg tatgtaaggg aatgatgact atgtatgttt 100
gtgtttggct tatttttacc agcaagtttt tgaggttcat gttattgtgt 150
gtatcagaag ttagtttcta ttatttgctc agtagtattt cattctgtga 200
atttaccatg gtctgtttta tatattcatc tattgatgat gaacatttag 250
attacttttc gtttttgcc attaaaaata aagtttagtat gaatatgcat 300
gtacaagttg tattgtggat atactttgtg ataataacta gaaccaggag 350
tggttcaaaa tttaatttac acatctactc cctgtgttat ttgcc 395

<210> 469
<211> 558
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 53, 122, 235
<223> unknown base

<400> 469
tggtgaaaa tttttggaaa aaagaatatt ttctttttaa taggtaactt 50

aanatatttt attcattgtc gccagtgta acaagaggaa tcagttaaac 100
 tctgtgtcc aggccagtac cnccaattaa tgcacttgta gctactgaat 150
 tccagccaag ataaatataa ttaaattctag tgcttcagga aatgagttga 200
 tcatcaaggg agttagaatg gaaaaacatt tatgnataat tttaaaggac 250
 attggactta actgtttgga atgaatgagc ttgatttttt ctatacatat 300
 tataagttaa tataaaaaaa ggctttgggt agactccgta tgaccttatg 350
 tatttgattt catgagtttc attttctgca gtaactttat cattcatttt 400
 tcatctctta ggctggaatg tagtggaataa agaactgaac taggagttag 450
 aagatttaag ttttggctct ggctccatca catactggca gtgatgatct 500
 tagccaagtt tgaactgctt atggcgggggt cttgtttatt catttcagta 550
 tttccaac 558

<210> 470
 <211> 552
 <212> DNA
 <213> Homo Sapien

<400> 470
 agttaccctc actttaccaa ggactttgct cggcgtttat tagtgctggt 50
 tgggtagcat tcccattgct cacaagctc tgtgtgcata aggacttcaa 100
 gcagcatggg gcccaaggaa aatttattgc tttttacctt ttggggatgt 150
 ttattcctta tctttatgca ttgacctcat ctgggcagta tttgagatgt 200
 ttacccttat cctcgggaga agtggttctg aaatcccacc tgatgttggtg 250
 ctggcatcca ttttggctgg ctgtacaatg attctctcgt cctattttat 300
 taacttcata taccttgcca agagcacaaa aaaaaccatg ctaactttaa 350
 ctttggtatg tgcaattaca ttctccttg tttgcagtgg aacatttttt 400
 ccatatagct ccaatcctgc taatccgaag ccaaagagag tgtttcttca 450
 gcatatgact agaacattcc atgacttgga aggaaatgca gttaaacggg 500
 actctggaat atggatcaat gggtttgatt atactggaat ttctcacata 550
 ac 552

<210> 471
 <211> 549
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 25
 <223> unknown base

<400> 471
 gaggcattgt gaatgggtgc agtgnagctt aggtataaca tcatcaagtg 50

<400> 473
gattgcaagg aggattttat atgatatgtca tagcttgtct ttaaaagttt 50
ggtatgtgat aatatcagan cagtaaaagg ctatttcaca ttttaaaact 100
aatctttat taaataatta tttcacaagt tagtaattat tgatattctt 150
cttcagggac tagagttcct atgcttccta aactgacttt taaggaaaga 200
tgagactata ttcagtgcag ttttaatatg acatatttta ttatctctta 250
ttttttaaat tgatatttta tgaaggagtc tatggactat aatacgaaaa 300
ttctggttgg ggaggcagga aacctggctt tcaagtacac tccaatagct 350
tttatataaa attcaggtgt tctttttctc taatacttga aatagctatt 400
ttcattttca tgtcattttc tgtacttttc ctgatacttt taaacattgt 450
tttattttca aatgaacagc c 471

<210> 474
<211> 379
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 27, 77, 96, 101, 109, 117, 124, 185
<223> unknown base

<400> 474
ttcccgcaat tttcagaaaa atgggantaa aagaaactat tttgtaaaat 50
aaaaaagctt ccatttttaa tgaccancat gtattaagat ggaacntact 100
ntacgaaanc gaagtntat ggtntcgaaa agcccgtgcc tgtttaaaac 150
ttgatcctaa ctaaaaacag acttgagtgg atatnagaat gttggttagt 200
ggcagaagag tcaaaaaaatg gcagttaatt attcagttat ttgctacttg 250
tttttttagcg agcctcatgt ttttttggga accaatcgat aatcacattg 300
tgagccatat gaagtcatat tcttacagat acctcataaa tagctatgac 350
tttgtgaatg ataccctgtc tcttaagca 379

<210> 475
<211> 446
<212> DNA
<213> Homo Sapien

<400> 475
tttagaaatg gtatggcaga atccagaaaa tgctttattg aagacagtca 50
ttgatcacca gtacacttga tctccagtac agacatatgg tggaacagaa 100
gcctggatac aggactcaga ctcttactgg ttggtatcat acgtgatcgt 150
ttgattcagt tcatctctaa attgcagttt gccgtgactg tgcttttgac 200
atcatggaca gagaaaaaac aacgtcgaaa aacaactgcc actttatgta 250

tactcaacat tgtcttttct ccattcgtgt tggatcatcat agttttttct 300
 acactactct cttctccctt actccctctt ttcacccttc ctgtgttctt 350
 ggtgggggtt ccccgaccta ttcagagttg gccaggagca gcaggcacca 400
 cagcctgtgt gtgtgcagat acagtgtact actaccaaact ggtgcc 446

<210> 476
 <211> 451
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 37, 43, 81, 83, 126, 206, 244, 256
 <223> unknown base

<400> 476
 ggggtgctctt tttcaattca ggaacatcaa catttantaac acngtgggggt 50
 gggatcctta caaatcatcc tgcttttttg nanatcactg gctactaagg 100
 caggtgcagc atcaatgatt cactanatgg ttttgatata agctcgcttg 150
 gtactactca cttttgtgtg gatgggtact ttgttggaacc ctggtcaata 200
 tctttngaag ccattcagtc ctcaatctcc ttttccttgg gtanccggtt 250
 ggtgtnttat gttcctcttt gctgttttca tcaagatagt agagcacata 300
 ttcttctcac agactacaaa tatgtgggtc agcacgaggc agtagaggaa 350
 agtgccctga ctgtgggagg cttggccaaa tccaaagact ttctctcctt 400
 gttgctggag tcgctaaaag aacagtttaa taatgccaca cccatcccca 450
 c 451

<210> 477
 <211> 527
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 7
 <223> unknown base

<400> 477
 ggccacnctg gccaaataag ggcaaaaagc tttatttttt tgaacaggaa 50
 aacatgtttt ttaaattcac atgtttttgta tgagactttt gcgaagcaag 100
 gcatgaactg ctaggtatta ttaagaatga atgatttttg catttaagtt 150
 gtttgaaggc atgtattttg aaaaatatct gttacaaatt tataatttca 200
 agacaaattg aatcttattt tataatactt ttggaatttc attaataagg 250
 ctaaaatttg aggaatataa ctaattttca gccttaagac atttaagttt 300
 ggaagtcctt gctattcaac agaataacaa gaaaacttca gaatgtatca 350

ctctcctgaa aagaagatat taataagccc ttttatattat gggtatagtt 400
 ttatttatag tctcaaaatt cctaaagcaa tgctacaacc attgaatttg 450
 ccatattttg tatcagtgcg gttaatttgc tgttgccctca agaaaaagtg 500
 ctttttctcc atggatgagg cggccgc 527

<210> 478
 <211> 332
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 75
 <223> unknown base

<400> 478
 cacacacaca cacacacaga aattttgaga gccattttaa tataattgcc 50
 tccctagaaa catacctttt aggnatttt tatcactaaa ccacatgtta 100
 tttaaatacg gtacatgttt aacataaata catacataaa attcacatgc 150
 atacttaaca cttatgttaa atatattcaa tgtatataca tatgtacaca 200
 atatatgcat atatacatgt gggatatgtg tatgtgtgca tgtgtgtgta 250
 tggccagcta cataatttgc gggactaagg gcaaaatgaa actgtacggc 300
 cctcgttcaa aaattaggtg tggagcggcc gc 332

<210> 479
 <211> 569
 <212> DNA
 <213> Homo Sapien

<400> 479
 accaatcaga tgtatttagg gatttgggat attctaccag gtgttgtgaa 50
 atgtcaaagc gaacaagcgt ttcattctga ttttgggaact gaattggaac 100
 caagaaaaga aatagtgcga tttgataagc caactagagg aactactgta 150
 caaaaattta aagaaatggc ctatagtctc ttttaaggcaa aattgggtga 200
 ccaaggaaac ctctctgaac tggtaaatct catcttgacg gtggctgatg 250
 gagacaaaga tggccagggt tccttgggag aagcaaagtc ggcattggca 300
 cttcttcaac tgaatgaatt tcttctcatg gtgatacttc aagataaaga 350
 acatacccc aaattaatgg gattctgtgg tgacctctat gtgatggaaa 400
 gtgttgaata tacctctctt tatggaataa gccttccttg ggtcattgaa 450
 ctttttattc catctgggtt cagaagaagc atggatcagc tgttcacacc 500
 atcatggcca agaaaggcca aaatagccat aggacttcta gaatttgtgg 550
 aagatgtttt ccatggccc 569

<210> 480

<211> 540
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 41
<223> unknown base

<400> 480
cccgccatga ctcggagact gaggacatgt atgggacgac ntgctacatg 50
gcccagagtg ccggtcatct gtcaccagtg acagtgaggg ggcccatgtg 100
aatacccttc actcagggcc aaacgtgccc caaagaggat gtttttcagc 150
agaatcattt attctggctt cagaattcaa gtccttcctc tgatcgagtt 200
aggcaataat ctgggagggg aatgagtgca aaaagatgga tatgtctgtg 250
ttggaaataa gtggcatcat catgagcagg gtcaatacct atcagcaagg 300
agtaggttat cagatgctgg gaaatgttgt cactattgga ttagcatttt 350
ttccattctt acatcgactt ttccgtgaga agagccttga ccaactaaag 400
tccatttcag ctgaggagat cttgactctc ttttgtgggg caccacctgt 450
tacacctatt attgttttgt cgataattaa tttttttgaa agattgtgtc 500
ttacttggat gttttttttc atgatgtgtg tggcggccgc 540

<210> 481
<211> 77
<212> DNA
<213> Homo Sapien

<400> 481
ggccacactg gccaaagagc atatttgatc actttgattc tctgttcttt 50
tctctccgcg gtgtgtgtgg cggccgc 77

<210> 482
<211> 560
<212> DNA
<213> Homo Sapien

<400> 482
aaagaccag tcatggcaag cctccaagca tcagttcacc atggggaaag 50
catgtgttca aagccattct gatggctcta agtggcctt atcctcctcc 100
actcagcatt ggcccagtcg cgtcgagact ttgcaccacc aggccaacag 150
aagagagaag ccccagttga tgtcttgacc cagatagggtc gatctgtgcg 200
agggacactg gatgcctgga ttgggccaga gaccatgcac ctggtgtcag 250
agtcttcgtc ccaagtgttg tgggccatct catcagccat ttctgtggcc 300
ttctttgctc tgtctgggat cgccgcacag ctgctgaatg ccttgggact 350
agctgggtgat tacctcgccc agggcctgaa gctcagccct ggccaggtcc 400

agaccttcct gctgtgggga gcaggggccc tggtcgtcta ctggctgctg 450
 tctctgctcc tcggcttggt cttggccttg ctggggcgga tctgtgggg 500
 cctgaagctt gtcattctcc tggccggctt cgtggccctg atgaggtcgg 550
 tagcggccgc 560

<210> 483
 <211> 581
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 134, 187, 224
 <223> unknown base

<400> 483
 caaaacgatt ttattgccaa accctgtgca ctccgattgg catcgaggac 50
 agtggtcctt atcaggccca acccaatgcc atccttgaaa aggtgttcat 100
 atctattacc aagtatcctg ataagaaaag gtgnaggggc tgtcaaagca 150
 gctggattgg aatgtccgaa aaatccaatg ctggttngcc atcggaggaa 200
 tcaggacaag cccccaacgc ttantaaatt ctgtgaaagc atgtggagat 250
 tcacatttta tttatgtata ttctgctatg gaattagatt tctctggctg 300
 tcaccttggt tctgggacat ccgacagtgc tggcataact atccatttca 350
 gcctctttca agtgggcttt atcactatta tatcatggaa ttggccttct 400
 attggtccct tatgttttct cagtttacag acattaaaag aaaggacttc 450
 ctgatcatgt ttgtgcatca cttggtcacc attgggctta tctccttctc 500
 ctacatcaac aatatgggtc gagtgggaac tctgatcatg tgtctacatg 550
 atgtctcaga cttcttgctg ggggcggccg c 581

<210> 484
 <211> 358
 <212> DNA
 <213> Homo Sapien

<400> 484
 tctaggtcca ttgtcacctt ttctggcacg acagcctccg cccaccgca 50
 ttccccaggc caagctgggtg gccatgcttc agacacgaga cccaccaagg 100
 gcctccgcca gaccacggtg cctgccaagg gccaccctga gcgccggctg 150
 ctgtcagtgg gggatgggac ccgtgttggg atgggagccc gaacccccag 200
 gcctggggcg ggctcaggg accagcaa atggcccatcc gctgctcctc 250
 agggccccaga agccttcaca ctcaaggaga aggggcacct gctgcggctg 300
 cctgcggcat tcaggaaagc agcttcccag aactcgagcc tgtgggcta 350
 gcggccgc 358

<210> 485
<211> 583
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 32, 61, 95, 100, 110, 190, 205, 228
<223> unknown base

<400> 485
ctggccaaac atatggggga tgaaaataaa anaattacat atgaagattc 50
aaaaccatcc ncaggaatga attacacgcc ctcccaggca tcaanaagcn 100
caggaggagn cagttatgaa gtcaaaggta tagatgcaaa atgaaccaac 150
aaaaggaagt ttttttttga aaagcagtaa aaaaaagctn caagaaacac 200
ccaantgaag caaatcacgt acaaagantg agacaaatgc tggcttgccc 250
tccacatggt ttactggaca gggtcataac aaatgttacc atcattgttc 300
ttctgtgggc tgtagtttgg tcaattactg gcagtgaatg tcttcctgga 350
ggaaacctat ttggaattat aatcctattc tattgtgcca tcattggtgg 400
taaacttttg gggcttatta agttacctac attgcctcca ctgccttctc 450
ttcttggeat gctgcttgca gggtttctca tcagaaatat cccagtcatc 500
aacgataatg tgcagatcaa gcacaagtgg tcttcctctt tgagaagcat 550
agccctgtct atcattctgg ctcgtagggc cgc 583

<210> 486
<211> 454
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 58, 152, 315
<223> unknown base

<400> 486
tgcacgtgg ggtatgtaca atgtttacgc atgtgagtgt gtgtaaagtg 50
tgtgtatnaa gtgtgtgtgt acatctgtgc agctggtcac cagcatgtac 100
cttcacaagt tagattttgc tggcatatcc acgagctgtc accactgtgc 150
cntgggcatt gagctttttg aggcttgtgt gttggcctgt cccagggctc 200
tgccatcgtc agtattggcc ccactcacag atgttctttc ctggggttggg 250
ccagctcctt ttggacactt ttgagatcca cctcgggccc gtctgcgttt 300
gcgatgctgc tttntgtgg ctecttcgg ctactgggac tgttcccttc 350
tggcattgcc ttcggcagca cttcgaggaa ctcagcctcc agggcctcct 400
gttgccttg aaaatgcagt tttatttcat tatttttatt tatttatttt 450

tggg 454

<210> 487
<211> 196
<212> DNA
<213> Homo Sapien

<400> 487
ctcaaaatta aagtatcaaa caggggtcct cagaactgtc tcacttcctc 50
ctgctcccat caatattaaa gcctaaaact caagaatcat tcttagcagt 100
ttttttctct tttttctttc ttttcttttt tttctttttt gagacggagt 150
ctcactctgt cgcccaggct ggagtgcagt ggcgacagag tgagac 196

<210> 488
<211> 226
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 124
<223> unknown base

<400> 488
gtgtgtgagt gtgtgtgtgt ttaatgtacc taattctgta aaggatttta 50
agtgattttt tcaaagtgga cccaataaaa taaaaacaat atgcgtgcat 100
gtgttttata aaagtaataa aacnagttat tctgcttttt ctagtcttag 150
ttacttactt acatatttat ttgggggggtg tgatgttctt tttaaaagga 200
actcctgtga cacctgttac tccggc 226

<210> 489
<211> 398
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 53, 61, 143, 260, 293
<223> unknown base

<400> 489
gcagctgcct attgcacttg tgaaaaaggt ttgtatgttc aacactgctg 50
ggntggctca nagttgggag tgaatcctcc aagggataag cttggagaac 100
tttttgaaca gtcaatctgt aaaggtgttt gcaatcccaa ggncaatgga 150
ctagattatg aaggctctcg ggtggacca ctgttctct ctgtttatta 200
agctttttga aggagagaga tgagggcagg acatgtgaca acggtgcttt 250
tccttatgcn tatatcgctc tccaacagca tcctttccaa atntatagcg 300
cttcaaagat tccaggacag atcggaaga gccagtgtcc atagaaacct 350
ggggttgttc agaagaacgg tgttctctgt gtttgtgacg gtgcctgt 398

<210> 490
<211> 568
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 52, 63, 87
<223> unknown base

<400> 490
ggttttgtcc ttcggtatga caactacaaa aaagcaagcc agtggggatt 50
cntgtggggc cnttggacct gccaaacatc tccgggngca tgcaaaaagg 100
tctcctactt tcaactgcacc ctcatcggat actttgtagg cctgctcact 150
gctactgtgg cgtctcgcac tcaccggggc gccagcccg cccttctcta 200
tttggtgcca tttactttat tgccactcct cacgatggcc tatttaaagg 250
gcgacctccg gcggatgtgg tctgagcctt tccactccaa gtccagcagc 300
tcccgattcc tggaagtatg atggatcacg tggaaagtga ccagatggcc 350
gtcatagtec ttttctctca actcatgggt tgtttcctct tagagctggc 400
ctgggtactca gaaatgtacc tgtgtttaag gaactgccgt gtgactggat 450
ttggcattga aaggagctc gtttgcagga gagagggtgct ggagccctgt 500
ttggttcctt ctcttctgc ggatgtagag gtggggcccc ttccaagagg 550
gacaggcctc tccccagc 568

<210> 491
<211> 552
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 36, 42, 74, 92, 168, 177, 232
<223> unknown base

<400> 491
aagactccca aggaagttgt tgaactatat ttgganaaac angccactga 50
atattatcat ttttcctttt aaanagagtt ttgtaagggg gnaaacatgc 100
atttttatcc agacaattta tccaaagcat ttcagaacat gaagtgctga 150
tgagggcacc tcttgtgntg agtccentaa gctatcaagt gttcttctca 200
aggacacatt tggaagggtt taacattgaa antgagcgga ggacttgggg 250
gcagagcagc acaaagaaac agccttacac tgggcacatg gaggagacgt 300
ccaccctgca gccaggattg gggttcacgt cactgccaga gctacactcg 350
ccttctgctt ccacggctct gttaattcta gatcagagag caagaaaaaa 400
gtacagaaca tctcctctac ggttatttcc tgctttctaa ttaaaaaaat 450

aataaccatg gcaagagaga aagaaagaga aagtactcag aggctgacac 500
tgacatttca cttcctcgt ctcctaagtt taattacaac agcacgtgca 550
gc 552

<210> 492
<211> 579
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 36, 147
<223> unknown base

<400> 492
tgcagcattg gcagcaacaa aaatttctag tttggntgat gattttggag 50
aattcagcct ttttggggaa tattttgggtc tagcacctgt tggggagcag 100
gatgactttg cagattttat ggctttcagt aatagcttta tttcatntga 150
gcaaaagccg gatgacaaat atgatgccct taaagaggaa gccagtcctg 200
ttcctctaac cagcaacgtg ggcagcacag tgaagggtgg acaaaactcg 250
actgctgctg ctaccaagta cgatgtcttc agacaacttt ctctggaagg 300
gtctggacta ggtgttgaag acctgaaaga taacactcct tcaggaaaaa 350
gtgatgatga ttttgctgac ttccactcca gttaaattttc ttccataaac 400
tcggacaaat ccctgggaga gaaagcagtg gctttcagac acaccaaga 450
agactctgca tcagtgaagt ccttagatct cccttcatt ggtggcagca 500
gtgttggaac ggaggactct gaagatgcac tctctgttca gtttgacatg 550
aaattggctg atgtgggagg agcggccgc 579

<210> 493
<211> 574
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 23, 89, 166, 192, 339
<223> unknown base

<400> 493
gccctatcca ggtaaccctt ccnaaggga accaggttct tttaaaaaat 50
taagcagccc ggggcccgtg ggctcacgt tgtaatccna gcctttgaag 100
cccagggcgg cggatcacct agaagatgac tcaagaccgg cctctgcttg 150
ccgtgcagga ggcgtnaaga agtgcttccc cgtgggtggag ancagcaggg 200
cctgtgcaga gtgccctgcg ggactgccag ccctcctgt cctccctcag 250
caacctggcg gaacagctgc aggccgcaca gaacctgcgg tttgaggatg 300

tgccggcgct tcgggccttc ccagatttaa aagagcggnt gaggcgtaag 350
 cagctggtgg ctggtgacat cgtcctggac aagctagggg aaaggctagc 400
 catcctcctc aaggtgcgag acatgggtcag cagccatgtg gagcgagtgt 450
 ttcagatcta tgagcaacac gcagacacag ttggcattga tgctgtcctg 500
 cagccttcag cagtgagccc ctctgtggct gacatgttgg aatggttgct 550
 ggatattgag agacggggcg ccgc 574

<210> 494
 <211> 545
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 35, 40, 114, 133, 284, 359
 <223> unknown base

<400> 494
 cagcatgaga catcccccca tgccctggggc cattnagatn tttttggagc 50
 accagtcact cccagggtttt tatttttaggg gtcacgcatt ttacctactt 100
 tgtcagactg gtanaagttg ctttgcata canaaaaact ccattttttt 150
 ccacaaaagg gattacagaa aactcttttg tgagtgagtg attggaactt 200
 agagactcct gttgccagaa tcagactgcc ctagaacaga atggacaatg 250
 caggaggag aattcacaca aacagcacct gttntgaggc ctgtgccagc 300
 ccaccaggcc tgctcaaagtg tggctctttac ttcaagtgca cagaggcaca 350
 tgaggtttnt ggtgataaac cagcgtctta ccgctgtttt aaagtcccat 400
 ccccatggct ttcacaatca gttccgtttt ttttgctgta cttgataaaa 450
 tgttttattct catacaggtc aagtacattt acttctattc acagtgagta 500
 cccaataaca acaaaagcgc ttacaaattt gggggggggcg gccgc 545

<210> 495
 <211> 239
 <212> DNA
 <213> Homo Sapien

<400> 495
 ttttttaaaa aaaaaaaaaa tctcagtata gttctgatta aaatttcctt 50
 tctgagtcct aaatgcttta aatcttcttt tcccattctt tttacttctc 100
 ctatccatag ttacaagttc ttacgcata catatctctt ggctgataag 150
 tttaactgct taagcacctg tttatgtttc atttttaaca tagccagtta 200
 ctattatgct tggatataca caatgagggg agcggccgc 239

<210> 496
 <211> 402

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 23, 34, 85, 89, 105, 108, 115
<223> unknown base

<400> 496
tgtggaaaaa acagttattg cancggttgc ttanaaaaac ataaaaatgc 50
atccatggggg cttattttatt caggagaaat ctcanagcnc ctgggagtg 100
tttanagnca ggggntgctt gcatacctctg tggatgtgtg tgtgtgtgtt 150
tgtgcctagg tgtgtgcgca caggtttctg tgctgtgtg tgcattgtgtg 200
tggggtgtgt gtgcattgtgt gtatgcacgt acccgtgtgt gtgtgcacag 250
gtgtgtgtgt gtgtgtgttt gtgtgcctgt gtgtgggggtg tgtgtgcatg 300
tatgcacgta ccagtgtgtg tgtgcgcagg tgtttgcgtg cacaatatg 350
catctgtgtg tatgtgtgtg tgttcacacg tgtgtgtgta tgtggcggcc 400
gc 402

<210> 497
<211> 553
<212> DNA
<213> Homo Sapien

<400> 497
cattataatt aactatagtt actatgctgt atatttgatc acccagaccc 50
atcttataac tgaaagtttg taccctttga tccaaatccc cacatttttc 100
ccagccactg acaaccacca ctttactctg tttctatgag ttcaactgct 150
ttagactcca catgtaagtg agatcataca gtatttttct ttctgcactg 200
gcttatttca cttaacataa catcctctag gttcatctat gtttcagcga 250
atggcagaat tttcttcttt ttaaaggctg aatagtgttc cctcaggtat 300
atataccaga tacacataca taagggaata tgtgtgtgtc tcgggtacat 350
gtacataagg gaatactatt ttttactcat tcatgtatgt gtaccagata 400
catatacata agggaaatata tgtatatgtg tctgggtacat atacatgaag 450
gaatgctatt ttttactcat tcatctctca gtggacactt aggttggttt 500
catatcttgg ctattatgaa tagtgctgca ataaatatgg gagtggcggc 550
cgc 553

<210> 498
<211> 576
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 47, 71, 78, 92, 112
<223> unknown base

<400> 498

ttattgggag atatccatgt ttttcataaa atcaacaaga gaatccntga 50
ttgttcagaa gaaaacaatt ntgaccgnag aatgctgtta cntgaacccc 100
ttatttcgaa gnatcataag attcacaggg gtgtttgcat ttggactttt 150
tgctactgac atttttgtaa acgccggaca agtgggtcact gggcacttaa 200
cgccatactt cctgactgtg tgcaagccaa actacaccag tgcagactgc 250
caagcgcacc accagtttat aaacaatggg aacatttgta ctggggacct 300
ggaagtgata gaaaaggctc ggagatcctt tccctccaaa cacgctgctc 350
tgagcattta ctccgcctta tatgccacga tgtatattac aagcacaatc 400
aagacgaaga gcagtcgact ggccaagccg gtgctgtgcc tcggaactct 450
ctgcacagcc ttctgacag gcctcaaccg ggtctctgag tatcggaacc 500
actgctcgga cgtgattgct ggtttcatcc tgggcactgc agtggccctg 550
tttctgggaa tgtgtgtggc ggccgc 576

<210> 499

<211> 330

<212> DNA

<213> Homo Sapien

<400> 499

aaaaaaaaa aaaaaaagct aaaaaacctt gactaaatct accatgtttt 50
ctcatattat taaaaattct aaacgtgggt ttttttgttt tgttttgttt 100
ttctgtttct ccctctgcag agttgttagc ggttctcgag atgccactct 150
tagggtttgg gatattgaga caggccagtg tttacatggt ttgatgggtc 200
atgttgcagc agtccgctgt gttcaatatg atggcaggag ggttgttagt 250
ggagcatatg attttatggg aaagggtgtg gatccagaga ctgaaacctg 300
tctacacacg ttgcagggggc aggcggccgc 330

<210> 500

<211> 440

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 42, 79, 82, 101

<223> unknown base

<400> 500

atcaatggcc acccagcaag accaagttac aaggatcgta tnttggtccg 50
aagggatgaa agtggcccaa ggggtctcent tntcggtgaa cgttcagctg 100
ntgcaggacc acggggaaat tgccaagagt aagcatctcc agggggagat 150

gacctaacgt ttccaaaaga gaaacaggca gcaggttctt aagcagtga 200
 gatgcggacg agatgttgca tgtggctcct gaggcacagc agtgacttcg 250
 tgcccagagc ctggcagaga ggtcgcaggt gtgccagctt ccctgccagt 300
 cagggcagcc ttgggtgtgt gtgcaagcat gtgtgcacat attgtgtgat 350
 gtgctgtctc ctgtatgtgt gtgcatatgt gtgtatgcct tgcacagggtg 400
 tgcacaggtc tgaatgtgta tacgtggggg gggcggccgc 440

<210> 501
 <211> 563
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 31, 48
 <223> unknown base

<400> 501
 gaatatcctg caggtatctc tccggccac ntccttgctt actgagctc 50
 agccctgatt tgtcatcgtc ggtttcgtga ccctcatcat atttaagcgg 100
 gagctgcaca cggccccac acagcagtgg gcaccaagta cgggatgccc 150
 tccagccatt cccagtttat gtggttcttc tccgtctatt ccttcctttt 200
 cctgtattta agaatgcacc aaacaaacaa cgccaggctc ctggacttgc 250
 tgtggaggca cgtgctctcc ctgggactcc tcgctgtggc cttcctagtc 300
 tcctacagca gggctctacct gctgtaccac acctggagcc aggtgctcta 350
 tggaggcatc gctggaggcc tcatggccat cgcttggttc atcttcaccc 400
 aggaggtcct caccocgctg ttccccagga tagcagcctg gcctgtctcc 450
 gagttcttcc taatccgaga cacaagcctc attcccaacg tactctgggt 500
 tgagtacacg gtaaccgagg cagaagccag gaacagacaa cgcaagctgg 550
 ggccagcggc cgc 563

<210> 502
 <211> 583
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 81, 126
 <223> unknown base

<400> 502
 ccctgcccac agttaagttc aagttttctt ttcagataat gcctgaaatt 50
 gccagaata gtcagaggat ttaaaaattt ntttgaccac aaatgcacta 100
 aagttttaag taaagcagtt tcttcnttca ttagcatgtg ttttacacta 150

acatttaata agaagccatt tttagtcttg atcttggcag tgttttcttt 200
aagacttctg atgttatcaa gtatttcatt aaatattaaa ttattattaa 250
ttactgtag tttaaatac attaggggtt tcaatttggc ttcttaaaat 300
ggactgaact gtggcatcac gtattttgtc tcattcatgt atgaataaag 350
cataaatcag tttgttaatg gatgctcata ccactgttta ttttttcaaa 400
tattttaaca cactttccaa atgggtgggat ttgctttata aatacagttt 450
tctacttaca catgaggaaa ataataattat ttgcattatg gatgtacact 500
ttgaaaaact tttcaatgca attatctgtg tatttcacaa tctctggtac 550
ttttctcaga ttttaattttg gtggggcggc cgc 583

<210> 503
<211> 459
<212> DNA
<213> Homo Sapien

<400> 503
aagcctgtgt aaatggatca accaatccca gtacatttgc ttcaagattc 50
aaacacattc aggtgggggc ttgggacggg atcagcattc atcatgggga 100
agaaaaccac aggccatcag tggatcatac acagtgtca tcaagaaaga 150
taacgttact tttaaattgt gggctcaaac tggacagcaa ggtgcacagt 200
ggaagagagc agaagtgttt ttaggcattc gttcacatac acagattgtc 250
ttcagagcca aacgtggtat cagttacata ggagatgtag cagtggatga 300
tatttccttc caagattgct cccctttgct tagcccagag agaaagtgta 350
ctgctcatga attcatgtgt gctaataagc actgcgttgc caaagacaag 400
ctgtgtgatt ttgtgaatga ttgtgctgat aattcagatg agactacttt 450
catttgccg 459

<210> 504
<211> 218
<212> DNA
<213> Homo Sapien

<400> 504
aaaaaaaaaa aaaaaaaaaa acctgccaat tttcaaacat accgtagaga 50
ttattttcag gtgccatttt atagtatagc agcagggctt ttactctgtg 100
tatgcacaga tgcagtctgg ggcattggtt gtgtgctgga ctttctcatg 150
gccatcatca gtatgcttat ggatttgatg acaggcatag cctgggcata 200
tcacctcatt ggtaaagg 218

<210> 505
<211> 562
<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 60, 88

<223> unknown base

<400> 505

tttaagtgc aaaaattatt ttatTTTTTTT cccagtaatt ttaaattgga 50
attccagccn tggcttattt ttgggagacc cagccatnta ccaaagctga 100
aggcacaaat gcttattctc gtcactgtcc tttttatgtc agcattcaga 150
gttactgggt gtcatttttc atgggatgat tttatttgta gctttcataa 200
cctgttgga gaagttacta ctttggacag gctatcagga taacttccta 250
tatgaatgaa actctcttat attttccttt ttcacccac tccagttata 300
ctgtgagatc taaaaaaata ttcttatcca agctcattgt ctgttttctc 350
agtacctggt taccatttgt actacttcag gtaatcattg ttttacttaa 400
agttcagatt ccagcatata ttgagatgaa tattccctgg ttatactttg 450
tcaatagttt tctcattgct acagtgtatt ggtttaattg tcacaagctt 500
aatttaaaag acattggatt acctttggat ccatttgtca actggaagtg 550
ctgcttcatt cc 562

<210> 506

<211> 485

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 49, 77, 124, 166, 225, 259

<223> unknown base

<400> 506

tttttttttg acacgagaca taaaaacttt taatgaagga ggacacagnt 50
cagagccttc cacaatgggg ccaacctgac cccacggaga ccggccatgg 100
caaccgctca atcagaaggt gtntttgatg cggccggcca ccagcctaag 150
gatgtcccg atcttnttct gccagttggc gatgtccttg gacacggcgc 200
accacagctc cccatgccga ggctntgcac tctcacagcg cttcctcacc 250
tcctcctgnt gtcctcagt gccatgctgc agctcaaact tgtagaagaa 300
ggcccaggca tccccaggt ccgagtcaat cttcacagtg cggtggaacc 350
actccctggc cttggtgatc ttccgctgac tccaaaacag cttggccacg 400
gccaggagca catgggggtc atgctcacac ttcttcaggg catccacgct 450
cttggtcctc ctctggggcc ttgcctcgag gaaga 485

<210> 507

<211> 503
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 47, 63
<223> unknown base

<400> 507
accctgtttt ttaagcacac ctcaagcggg gcctcgttta ccaatanttg 50
attaaccaca agnaaaagtg tcaagctcaa gacgtcctcc ttttactgtt 100
tgtaaaactg tcctgaaaac tatgatcgac gttccggaat tagaaggacg 150
tggggcaatg aaaattatgt tcggtctcag ctgaatgcca acatcaaaaac 200
tctgttttgc ttaggaactc ctaatccact ggaggagagaa gaactacaaa 250
gaaaactggc ttgggaagat caaagggtaca atgatataat tcagcaagac 300
tttggttgatt ctttctacaa tcttactctg aaattactta tgcagttcag 350
ttgggcaaatt acctattgtc cacatgccaa atttcttatg actgctgatg 400
atgacatatt tattcacatg ccaaactctga ttgagtacct tcaaagttta 450
gaacaaattg gtgttcaaga cttttggatt ggtcgtgttc atcgtggtgc 500
ccc 503

<210> 508
<211> 564
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 73, 80, 145, 342
<223> unknown base

<400> 508
tcgacccacg ggggtccggt aagttgatgg tctgccttgt acatctcaac 50
cattcttgaa ccacttaatc ctntttttgn caacactagt agaacagaat 100
cctgaagata tggagaccta tacctagatg ttgctgaagc tttnttggat 150
gttggatgaat ataattctgc acttccctc ctcagtgtc tttgtttgct 200
ctgaaagata caaccttgca gtagtttggc ttcgtcatgc agaagttta 250
aaggccttag gctatatgga gcgagctgct gaaagctatg gcaagggtgg 300
tgatctggcc ccactccatt tggatgcaag gatttcactt tntacccttc 350
agcagcagct gggccagcct gagaaagctc tggaagctct ggaaccaatg 400
tatgatccag atactttagc acaggatgca aatgctgcac agcaggaact 450
gaagttattg cttcatcggt ctactctggt gttttcacia ggcaaaatgt 500
atggttatgt ggatacctta cttactatgt tagccatgct tttaaaggta 550

gcaatgaatc gagg 564

<210> 509

<211> 525

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 49, 54, 110, 162, 221, 263, 275, 292

<223> unknown base

<400> 509

acagtatggt cattcatgct ccaaagaaaa ggagattgag ctttaaana 50
aatntctcac aagttagggtg atccagggtt tgtggtcttt gcaacccttg 100
tggtcattgn gcccttgata ttaatcttcg ggggggtcct cgccatggac 150
agacaaacat tnttgtagaca taacaatctg ctctgtaatc ggggcgtttt 200
cagtctcctg tgtgaagggc ntgggcattg ctatcaagga gctgtttgca 250
ggaaagcctg tgntgcggca tccntgggtt ggattctgtt gntgagcctc 300
atcgtctgtg tgagcacaca gattaattac ctaaataggg ccctggatat 350
attcaacact tccattgtga ctccaatata ttatgtattc tttacaacat 400
cagttttaac ttgttcagct attcttttta aggagtggca agatatgcct 450
gttgacgatg tcattggtac tttgagtggc ttctttacaa tcattgtggg 500
gatattcttg ttgcatgcct ttaaa 525

<210> 510

<211> 565

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 46, 79, 104

<223> unknown base

<400> 510

ttgcttgta agctaacagg ggtgcaagct tccatttttg atctantttt 50
aaatacactc agacaggaga aatttggant aattttcaaa ctacagacac 100
ttntaatca tgatgcattt caaaagtggc ctgaattaa cttgagttgc 150
aaaacatgac agtgcccgag gatgataaca ttagcaatga ctccaatgat 200
ttcaccgaag tagaaaatgg tcagataaat agcaagttaa tttctgatcg 250
tgaaagtaga agaagtctca caaacagcca tttggaaaaa aagaagtgtg 300
atgagtatat tccaggcca acctccttag gcatgtctgt ttttaacctt 350
agcaacgcca ttatgggcag tgggattttg ggactcgcct ttgccctggc 400
aaacactgga atctactttt ttctggtact tttgacttca gtgacattgc 450

tgtctatata ttcaataaac ctctattga tctgttcaaa agaaacaggc 500
 tgcattggtgt atgaaaagct gggggaacaa gtctttggca ccacaggga 550
 gttcgtaatc tttgg 565

<210> 511
 <211> 558
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 83, 114
 <223> unknown base

<400> 511
 agtgggcttg aacttcgtga gtttcgcttt aaactgccct tgaaatgaag 50
 tggacttgga ggggcatgga atattcacat ggnagagccg catgaggccg 100
 cccaccacgc ttcttgaagg atgcccgtgg gaagaatttt gacgtgccag 150
 tgtcctcgtt ctacagggtg ttccattctt ccgcaatctc agaaaaatgg 200
 gactaaaaga aacttatttt gtaaaataag aagacttcca tttttaatga 250
 ccaacatgta ttaagatgga cacctactct acgaaacacg aagttctatg 300
 gtctcgaaga agcccgtgcc tgtttgaaac tgatcctaac taaaaacaga 350
 cttgagtgga tatgagaatg ttggtttagtg gcagaagagt caaaaaatgg 400
 cagttaatta ttcagttatt tgctacttgt tttttagcga gcctcatgtt 450
 tttttgggaa ccaatcgata atcacattgt gagccatatt aagtcattatt 500
 cttacagata cctcataaat agctatgact ttgtgaatga taccctgtct 550
 cttaagca 558

<210> 512
 <211> 544
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 25, 53, 63, 78, 111, 150
 <223> unknown base

<400> 512
 tccggaacaa ttataataaa gccancttta acccattgag agcataagga 50
 tgntgcaaag gncagtgct ggatgganag gacagtgcct ggggcagtca 100
 tggaagactt ntttaggagg tgacttttta aggggttttg tgatcaaaan 150
 tatggagtct taagtccaac cagtgggttat gaattccggt tctgccactt 200
 gctataatag ctgtatcacc atgagcgata acttaacctc tttgtgcctc 250
 agtttcttca tatataaaat ggggatcatg atagctctgt cccaggggag 300

ttaggaggat taaatgcaac agtaatccaa cccacagtat gaaaagacag 350
gctagcacat acaacacaat ctataaatgt ttgctattat tgtcatcctt 400
tttattagta tatcatggta caagtttgct gggtagaaag atggcgatgg 450
ggaaggggac atttcaggcc aatgtgataa taaaatcaac agacaaaaga 500
agggagagtg tggtagtag gataaagctc tgtacagatg caag 544

<210> 513
<211> 118
<212> DNA
<213> Homo Sapien

<400> 513
atttaacttt cccctttaaa aggaattggc tatagaactg ctttgtaaag 50
atgcttcttg atattttact ttgttcctt ttcctaatac attccctttt 100
ttccccactc ctccagaa 118

<210> 514
<211> 557
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 34, 56, 60, 82, 85, 115, 122, 152, 185, 187
<223> unknown base

<400> 514
tcccgtgggg gacttgggat cccagacgtt aaantaggag ccggaaagag 50
ggaggntttt ttcttgcttg gaagttgctt gngtntttgt accaccccag 100
cccccccacc gtgnggggac cntcggcagt gacggcccac agtgccacgt 150
gntcccagaa cccagagggg aagcatcacg gttcntngtt gacagctccc 200
agtcacacaa tccccacgtg tcctgtcatt tcctaaacaa ggtttcatca 250
ccagatttag acccacctgc ttttctctct tttctgcttc ttccagagat 300
tttttttagtg tcttcatttc actggttacc acttctatca tgtttctggc 350
cctttcttta ttctccttag cctcatgttc tgtggtatcc agttctgact 400
tgacagacat gagctttttc tcagctttct ccttcacatt ctccagttgg 450
tctctggatt tgtttagatc ttcaatggct ttagtctgtt ccaaagtttt 500
aatcttcagt tcattgggtg cggccagttt ggctttgagc tcggtgtgca 550
agtctcg 557

<210> 515
<211> 348
<212> DNA
<213> Homo Sapien

<220>

<221> unsure
<222> 37, 72, 182
<223> unknown base

<400> 515
tcagcctttc tatggaaaca actttgagga tgagccncct ttattaaaaa 50
agttaggtat caattttgac cncatctggc aaaaaacact aacagtatta 100
catccgttaa aagtagcaga tggcagcatc atgaatgaaa ctgatttggc 150
aggtccaatg gttttttgcc ttgcttttgg anccacattg ctactggctg 200
gcaaaatcca gtttggctat gtatacggga tcagtgcaat tggatgtcta 250
ggaatgtttt gtttattaaa cttaatgagt atgacaggtg tttcatttgg 300
ttgtgtggca agtgtccttg gatattgtct tctgcccctg gcggccgc 348

<210> 516
<211> 428
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 86, 307
<223> unknown base

<400> 516
ttcatgggag gacatggaga tcatgggaag catatctatg actataacct 50
aaagctgaag ccgtgtgatg gccagctctt gattantgag ccagcgctga 100
accactggc caaccggcaa cagatcacgg aaatgttttt tgagcatctg 150
ggtgttcctg ccttctatat gtccatccag gctgtgctgg ctctctttgc 200
tgctggcttc actactggcc ttgtgctgaa ttcaggtgct ggggttacc 250
agagtgtgcc catctttgag ggttactgtc tgccatcatg tgtgcagcaa 300
ctggatntgg caggccttga cctcaccaac tacctcatgg tgctaataa 350
gaaccatggg atcatgttgc tcagtgttgc agacagaaag attgttgaag 400
acatcaagga gagcttttgt tatgtggc 428

<210> 517
<211> 393
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 155, 159, 191, 255, 297
<223> unknown base

<400> 517
atatgtgaaa tattggcagt cgaacatgaa caacgggtcaa gatgttccag 50
gcacataaga ggcgattaga gaggccaggt ttatacacia tataccattt 100
tctgtagtcc ctattgtcat ggtaaatta ttctctaagt gtattctggg 150

tgcanagang catgggctct gtcagtttct gggaaacttt ntgcacccta 200
 taaacacaat atttttcttt gttttcacac attcaccatt ttgctggcac 250
 cttntgaag tagtggtgtc ccggtatcag cctttgcaat atgttanaga 300
 tgtactgtct gcgcatttt gcactgggtt tctcttttca tttatgatta 350
 ataatgtgta tacgttattc ctttttatta tctactgtgt aag 393

<210> 518
 <211> 245
 <212> DNA
 <213> Homo Sapien

<400> 518
 cccccgcac cgatttttca aaaaataatt tttctaatta agatatgtgt 50
 atatgtttta acatctttca gaaacataaa attgaatgaa aagagtaatt 100
 tgcagaaaca catgcaatat aatttattgt gcatttttaa acacacaaag 150
 caggactaca tgatgttcat gtgtgcgtgt gtatatatat atatatttaa 200
 acacacagac aggccgggca tgatggctca cgctgtaat ccag 245

<210> 519
 <211> 585
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 48, 54, 66, 128
 <223> unknown base

<400> 519
 gaccactggc ccacccgcc aaggattgcct agatgataat ttacaagnac 50
 cacnacttta gatttncctt attgatgtta agataccaaa ccaagtaagt 100
 attaaaatca gccaaacctt ggacattntg ggaatatata atcatttgat 150
 aatgcataag aataggaaaa aattgaatgt gtttatgact aaagttttat 200
 atttgtggta atgttaaaat gtattattaa atatgttaaa attatttcat 250
 ttttttcccc ttgagaggt aaagcctaact acttctcccc ttgaatatgg 300
 gctagactta tgagcacatt tctaataaac agagaaagtg gatgtggatg 350
 tgacaatgtg tatgttgga gactagacaa tatcagagat gaacatgatg 400
 gtgaaagaaa ataaaagaag aaagctagtt aataaaaggc accattgttt 450
 cctcctcttc ctcctcctcc acctctttaa ctctctctcc ctctctctga 500
 tcaacagctc tagcaaaagc cagatgctat gcggtgcgga ctttcaggca 550
 gctttgcagg gagatacatg tggcaaggaa ctgac 585

<210> 520
 <211> 474

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 68-69, 214
<223> unknown base

<400> 520
tggcttgtag ccccatccaa ataacagcgg ggaggagcgg agcctgtggt 50
acgcaacceca ttaccccnnt gatgagagaa aactttttatc catgacccag 100
gatgactaca aaccatctga tggcctgctg gtgactgtga acggcaaccc 150
cgtggattac cacaccatcc acccaagcct gcccatggag aacggccctg 200
gcaaagccga cctntactcc acccctcagt accggtggga gccctctgat 250
gaatcctcag aaaagcgaga ggaggaagag gaagagaaag aagaatttga 300
agaagaaagg agccgtgagg aaaaaagaag tatcaaagtt catgccatgg 350
tctccgtatt ccaattttatt atgaaacaaa gttacatctg tgccctcata 400
gctatgatgg cctggagcat cacctatcac agctggctga ccttcgtgct 450
gctgatctgg tcgtgcactc tttg 474

<210> 521
<211> 626
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 63, 116, 126, 148, 180, 193, 213, 222, 262
<223> unknown base

<400> 521
gaattttttc gaaaagctaa tgccccattt tggatgtcat ttaccattca 50
cctttttaata ttnggggggca ttttgggatc aaattatcct gatgtttttc 100
aaciaagact tgaganaaaa taaggngcat tacttttttt ggacattntt 150
cttttagacc tattgtgagg tgtttgcccn ccattagaaa ttnccccaaa 200
tggttgaaaa ttnttaaaca gnagaaggaa gagactcaaa gttagcatca 250
caaagagaaa cncgatgctg gaaagggaga ttgcattctc aatccgggat 300
aatttcatgc agcagaaggc tttcaagtac atgtcagtga ttcaggcttt 350
tctcggttct gtccacaat taattttgca gatgtatata agtctcacta 400
tacgagaatg gcctttgaat agagcattgc tgatgacatt ttccctgtta 450
tcagttactt atggggccat tcgctgcaat atactggcca tccagatcag 500
caatgatgat actaccatta agctaccgcc gatagaattc ttctgtgtcg 550
tgatgtggcg ttttttggag gttatctcac gtgtagtgac tctggcattg 600

ttcattgcat ctctgaaact gaagag 626

<210> 522

<211> 566

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 42-43, 100, 103, 116, 142, 216-217, 227, 233

<223> unknown base

<400> 522

aaatgttttg acaaatcaca agaaagtffc aaaaatttgg gnntattagt 50
ttgaaaaatt gttttcagtt cacttgatgat ttcttggtta attcactgcn 100
ganaggattc ttttanactt tccaaggatc ttaaagctat cntacctagg 150
aatgagaatt atgggtgttcc atgacaactt tgaataagta ttccctaaag 200
ctaagaggaa attctnncaa taatgantcg ggncattgct attttgggaa 250
agtaaaagcg gaaaaagctt gacgacactg aaaggcttgt tgagatggaa 300
caagtcctct cttcacttaa caagatgaga aagacaatag gtgggtgtggc 350
tctctggcga cagcaaactc gcgcaattgc aagggttcgc ttgttaaagt 400
taaagcatga aagaaaagct ctttttagcac tgctattaat tctaattggct 450
ggattttgcc ctcttcttgt ggagtatacc atgggtgaaaa tatatcaaaa 500
cagttacacc tgggaacttt ctcttcattt gtatttcctt gctcctggac 550
aacaaccaca tgaccc 566

<210> 523

<211> 503

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 25, 67

<223> unknown base

<400> 523

ccttattgat gttaagaaac caaancaagg tatgattaaa aatcagccaa 50
acctttggac attctgngaa tatataaatc atttgataat gcataagata 100
ggaaaaattg aaatgtgttt atgactaaag ttttatattt gtggtaatgt 150
taaaatgtat tattaatat gttaaaatta tttcattttt ttcccctttg 200
agaggtaaag cctaatactt ctccccttga atatgggcta gacttatgag 250
cacatttcta atgaacagag aaagtggatg tggatgtgac aatgtgtatg 300
ttggaagact agacaatatc agagatgaac atgatgggtga aagaaaataa 350
aagaagaaag ctagttaata aaaggcacca ttgtttcctc ctcttcctcc 400

tcctccacct ctttaactct ctctccctct ctctgatcaa cagctctagc 450
aaaagccagc tgctatgcgg tgcggacttt caggcagctt tgcagggaga 500
tac 503

<210> 524
<211> 447
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 39, 43, 96, 344, 418
<223> unknown base

<400> 524
gagggtagga tccgcaagcc cctttcgcga agcccgagng agncccgggc 50
gacaggcagg cagagaatat gttattccca tcctttggcc cacaanattt 100
atggcagaga tgggtggattt ctttattctc ttctttataa aagcaaccat 150
tgtcttaagc attatgcacc tcagtgggat aaaggatatc tctaagtttg 200
ctatgcatta tataatagaa gaaatagatg aagacacatc aatggaagac 250
ttgcagaaaa tgatggttgt ggcacttata tacagattat tagtttgttt 300
ctatgagata atttgcattt ggggagcagg tggagctacc ccanggaagt 350
tcctgctggg gcttcgagtt gtgacatgtg atacatcagt gcttattgca 400
ccaagtcggg ttttagtnat tccttctca aatgtagca ttacaac 447

<210> 525
<211> 539
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 105
<223> unknown base

<400> 525
caagataaaa tatatggggg aagatgtaga aatgtgacag tttggcaaaa 50
acaaagttct cccaagattt cagcacgttt gcagcggaaa ttcaggaaac 100
catcncagca ctccagagagc agataaacia gctggaggca cgcctgaggc 150
aggcagggtg tacagatggt agaggggttc caaggaaggc cgaggagcgc 200
tggatgaaag aagactgcac tcaactgcatt tgtgagagtg gccaggtcac 250
ctgtgtggtg gagatttgtc ccccggtctc ctgtcccagt cctgaattgg 300
tgaaaggaac ctgctgtcca gtttgcagag accgaggaat gccaagtgat 350
tccccagaga agcgctaata aaagttttgt gctgttgagc cccaaatggg 400
aaatttctca ggaagagaca tttaggactt cagaactttt aacttgtagt 450

cacattggtg atatggaaac cactgactta agcaacttag ttcattcta 500

cttacatata cttacgatct tttatttttt cattttcta 539

<210> 526

<211> 456

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 21, 109

<223> unknown base

<400> 526

gaagtgagga gaaagtttat ntttttcata taatttaagg gtcgtttctg 50

tgaaccattg cttcatgtct ttttcacttt tttcaattgt ctcatTTTcc 100

tcaaaatana ggcactgttt atgtattaca gagattaggc ctttgtcatt 150

agtcttttcc tgtgaacgag atcacataga ttatttggtt cttttctggc 200

ttttgaattt cagccatcat tttaaaaaat acttccccat ggTTTTgtc 250

cagttctttt gtaacttctt gttctccatt tcaatattgg atgtttggct 300

tttgttcctt tgcgtgtttg gtatgcgata tggatcccc ttagtctttt 350

tgtctagcat caatatattt atttttatac tgtccttcag attgatgatg 400

atttccagag ttcttggggc tttaatgcct gttgcgttta cagactctca 450

tccggg 456

<210> 527

<211> 500

<212> DNA

<213> Homo Sapien

<400> 527

cttTgtttt cttccccctcc ctaaatttga agaactatgg agaaaatggT 50

acttgatgac agtagtggtt ttaataggac taacagtacg atggcagtgT 100

ctcttaattc ttattcaggt gctggtaacc cgcctatggt tggTgattat 150

gaagctcaga gacactggca agaaataact tttaatTTac cggTcaaaca 200

atggTatTTT aacagcagtg ataacaattt acagtattgg ggattggatt 250

accacctct tacagcttat catagtctcc tatgtgcata tgtggcaaag 300

tttataaatc cagactggat tgctctccat acatcacgtg gatatgagag 350

tcaggcacat aagctcttca tgcgtacaac agttttaatt gctgatctgc 400

tgattttacat acctgcagtg gttttgtact gttgttgctt aaaagaaatc 450

tcaactaaga aaaagattgc taatgcatta tgcattcttg tgtatccagg 500

<210> 528

<211> 512

<212> DNA

<213> Homo Sapien

<400> 528

ccagaatgaa aaaaaaaagt cttgttggat aatagtgtt gactagcgtt 50
ttaagaactt gagagtaaaa gcaccaataa gattttttca ctttttcctg 100
cttccacccc caaactgaga acatccactc aattgtttgg aagaaactgt 150
aggtctatat aaattttatt tataatgtat gtgtaatata cataatcata 200
atacagttct cagatgcagg gaagaagttt ggcatttaat cattgaggct 250
ttaggttttt gatgtgatca gactgggcca tgtcaaacc ggaattttca 300
ccaacagttc actcaccctc ctggtacatt gccattccaa ggaattctga 350
gagtaggcaa acaaattttg ctttcatggt acagttctca gtttttctta 400
taggagaaat atggtatatg tttataagaa tcttttatga gattatagat 450
ttcaatgctg tggatagtgt cttgcacca aacaagaaag tccataatgg 500
aatgatcttc cc 512

<210> 529

<211> 479

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 82, 196

<223> unknown base

<400> 529

tccaagtcct tgaacatctt tggttttttt ggagtgtcca aacccatgtt 50
cagaaacggc acatggaata ctcatgtaat gnaggaaaag tctatatctg 100
cagctggacc cagccatacc aggagtgatt ttggaaatcc ataccggtt 150
gggattgatc cgatttggaa cttggcttca aacaaactca catttntgaa 200
ctcgtataaa atgaagatgt cggtgatcct ggaattgtc cagatgggtt 250
ttggtgtcat cctcagcctt ttcaatcaca tatacttcag aagaactctc 300
aacatcattc tgcaatttat cctgagatg atttttatcc tgtgtctgtt 350
tggataacctg gttttcatga tcattttcaa atggtgctgc tttgacgtcc 400
acgtatctca gcacgcccc agcatcctca tccacttcat caacatgttt 450
ctgtttaact acagtgactc ttccaacgc 479

<210> 530

<211> 513

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 56, 68, 72, 83, 149

<223> unknown base

<400> 530

gccttttagtt tccagctact tggaagggtta aggtaaaagg atcccttttg 50
gcccgnaggt tgaggctnca gnagttgaga tencaccatt gcattccatt 100
ttgggtgaca caagcgagag ctatctcaaa accaaaaagc aagccaaanc 150
ccaccagac caaaaagggtg acttccaggg ctgccccagc taggaacact 200
ccagaaagca gacaaggaaa accgagtgtg aagagtcctt ttggagattg 250
tcatggccat gtgacattcc tttggcctga actcagtcac atgtcccctt 300
cgagatgcag gggggacctg ggaaatgtag tttctggctg ggcagctgct 350
ttccagcaat agcactctac tgcagaagag gagcaggagt ctgtggtgca 400
aagccagcca ggcctgccac agatactgca ccatttacia aaatgctttt 450
acactcattt catttgcttc tcatcacaat ctataccatc agctatactg 500
tcctcatttt tca 513

<210> 531

<211> 513

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 35, 53, 454, 461, 482

<223> unknown base

<400> 531

gaatggagga aattgctttc acttcaagac tttcnttttt tcaactaaaac 50
ttntaaaggt gtacaagggg aggggaagggg ggcaaagtcc ttgaacattt 100
tctttggctc ggccatgtta tgatcatata cctttttaa at aaggggaaat 150
agtatcttta aagttaatgt ctageccaaga gtttagtaaa cgaagaatta 200
aactgcactg ttgatcgggtg ctttgtgtaa atacatcttt aacatttggg 250
tgagagaggg ccttaagaag gacagttcat tgtaggaaag caattctgta 300
catgagttta agcattcttg ttgcattgtc tctgcagatt ctatttttgt 350
ttacaatatt aaaatgtatg ttagcaaaaat ggggtggattt tcaaataaaa 400
tgcagcttcc acaaaagttt tggtatggta ttctggctctg agatgcattt 450
tcanttttcc nttctctttt tattatcaat antgtcattt ttccctaata 500
aaatataccc agg 513

<210> 532

<211> 484

<212> DNA

<213> Homo Sapien

<220>

<221> unsure
<222> 35
<223> unknown base

<400> 532
gctgtcctga gcagttgcag aagcatcgag ggtgnagagg agcacatact 50
gtccatggag tgggtggtaa ggtggacagg gggcgggtgg tgatggcgca 100
gtttgacatt gaataccagc gcctagaggc ctctatatgt gattcacccc 150
caggggagga ggacctgttg gtgcacgtcg ccgaggggag caagtcacct 200
tggcaccata ttgaaaacct tgacctcttc ttctctcgag ttataaatct 250
gcaccagaag aatggcttca catgtatgct catcggggag atctttgagc 300
tcatgcagtt cctctttgtg gttgccttca ctaccttcct ggtcagctgc 350
gtggactatg acatcctatt tgccaacaag atggtgaacc acagtcttca 400
ccctactgaa cccgtcaagg tcaactctgcc agacgccttt ttgcctgctc 450
aagtctgtag tgccaggatt caggaaaatg gctc 484

<210> 533
<211> 558
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 93
<223> unknown base

<400> 533
gggtaagtat attcagtga ggtaaagact gaatgaatgg gtaccatcaa 50
attgggttaaa tgaagatggg ttttgggtca ggaacacaaa gtnttatctt 100
atcctgtgcc aaacactcca gttttgcaat gagattgtga ggaaggagaa 150
ggcaaggatt ctgttccaat gtttgggtccc agaggacctga gaatagtact 200
ttgaccgggt aagcgcttaa taaaataatg cttactctta tgaatttagc 250
tgcagaaaca tttagtccca tagacaatat gtgtagaatg taaaaaatgc 300
aatcttact aaaagaatat acaggaaaag ttctccctac tccttcctga 350
aaggagacca gtgttattag ctcgatcatg agattgtctg tgctcatgca 400
agcatctccc tgcattgtatg tcctcttgct ttcgtgcaaa gaatagcatc 450
ctacacacac cttttagccc cttgcttttc gggtttgtgt attttgcaga 500
ttgggtcatt ttgtgcacac agtgctatct tattcttttt tttgtttgtt 550
tccccctg 558

<210> 534
<211> 462
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 55, 91, 156, 193, 215, 281, 395, 399, 444
<223> unknown base

<400> 534
atcatagtgt tttcaaactc cccgtgtaaa agttcccaaa atcccatgtc 50
acagntgagt cttgggttttg ttgattgggt tgtctcttga nagtgtgtta 100
ttttttgttt cattatgtgt ctcataattt ttgggtgaaa gctaaagcct 150
tcttnggaag gctagtggag acttgggtaa acactattta tgngcaaaaa 200
tggacatgcc ttttntttta ggaggaggca ttgagacaac tctgtcaggt 250
tttgttggtta gtatgggttac tctcaaaaag nacataattc aaattcttcc 300
agtattattt ttttgcttag tggctgggtt gttggagagt ttttctcagt 350
gtctgttcaa atcacagtta ttgggtctttt ctttgtgcct acgtntaana 400
gaggatatct ttctgtgctt ttaccctcac tcttccagca gtanactgct 450
gttacttggt cc 462

<210> 535
<211> 511
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 94, 110, 156
<223> unknown base

<400> 535
ctgcccattt ttttgctttt acctggcaag tgtttaaaaa aggcctcaaa 50
gaaaaggggt ttgtgttgct agttaagcta gcttgtattg tggnggcttc 100
cttcgttttn tgctggctgc cattctttac agaaagggaac caaccctgc 150
aggttntaag aagactcttc ccggttgatc gtggattatt tgaggataaa 200
gtagccaata tttggtgcag cttcaatgtc tttctgaaga ttaaggatat 250
tttgccacgt cacatccaat taataatgag cttttgtttt acgtttttga 300
gcctgcttcc tgcattgcata aaattaatac ttcagccctc ttccaaagga 350
ttcaaattta cactgggttag ctgtgcgcta tcattctttt tattttcttt 400
ccaagtacat gaaaaatcca ttctcttggt gtcactacca gtctgcttag 450
ttttaagtga aattcctttt atgtctactt ggtttttact tgtgtcaaca 500
tttagtatgc t 511

<210> 536
<211> 511
<212> DNA
<213> Homo Sapien

<400> 536

ggtttggttc cccatctgcc atattataag ttttttgagg catccccagc 50
catgctgaac tggaagtggc actaagggtcc aaaggaagct acatatgggt 100
ggccccgtgt acaccagcct cccaagcctc ccagtgcacc ttctaggaga 150
caagcaagga aggcgctgc ttgtttgtca tcctgctcat ggcgggtgtac 200
tggtgcacgg aggccttgc gctctcagt acggcgctgc tgcccatcgt 250
cctcttcccc ttcatgggca tcttgccctc caacaaggtc tgccccagc 300
acttctcga caccaacttc ctcttctca gtgggctgat catggccagc 350
gccattgagg agtggaacct gcaccggcga atcgccctca agatcctgat 400
gcttggttga gtccagccgg ccaggctcat cctggggatg atggtgacca 450
cctcggttct gtccatgtgg ctgagcaaca ccgcctccac tgccatgatg 500
cttcccattg c 511

<210> 537

<211> 441

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 51, 70, 105, 134

<223> unknown base

<400> 537

ttggccta ttaagtgata taaaaaatga aattttttat gcagtgtggg 50
ngaggggcaa aaaaaaatan atttgaacac ccagatttta gttttggctc 100
tgtgnttgca gctagttaca tggcatccag gacnaaagtt tggaaaacaa 150
aataatggaa ctaaataagta ctaaccaaag tatagggtgc tttatgattt 200
acagaactct cttacaggca gtatgttggt caggcgccac tagaaccac 250
gtaatggcag aggcttcctg ttccatgttt aaaaaccttt ccaaggcttt 300
tcattatttt cttatctgtg gtacccttag ctctctgtgc tctagacaca 350
ctggcctacc ttcaacttcc ttgaccagt tagcttacag tgtaagctta 400
ccccacaccc ccacctctg caataaaata gtagcatcgg c 441

<210> 538

<211> 497

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 56, 76, 126, 175

<223> unknown base

<400> 538

ggtaatgggc aattaaaatt ttttcgggctc tggattttta aaatttatat 50
 taaggnattg aagttccttt tctcenttag gtttaacagt gaattcacat 100
 gagtaatttt taaaagatat cagatncatt ttgctattca aagaaaatta 150
 tgatttaaag ccacttttta aaatncgaga aggaaaatag gatggattaa 200
 agggttaact tttaaagatt attattgggtt aatgttgaca tatttcctct 250
 atctcataga tggtaaaagt gttgctttta aaaactggca aatgcactct 300
 tcagaaatcc ttttctatct gatccacatg gagagggtta aggttcaatt 350
 tcatgacctc tatgcaggca gcgctctcat tggatgtaag aatattacct 400
 gcaaggatag aatgcagttg tgcaacagag acacattctt atttcacttt 450
 tttcacaatt ttgttttggt tttaatgacc cttttattga atattgg 497

<210> 539
 <211> 362
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 42, 106, 132, 134, 184, 199, 208, 240, 250, 253, 256, 268, 307,
 318, 355
 <223> unknown base

<400> 539
 aaaggggtccg gtccccggcc gaaaccactt ttgatctttc cntctttggg 50
 ctcaaaaaat gtacagggtt tccagggcag ccttgggatt gggccacttc 100
 ctttangatc ctgggttcttc ccgttgtctt tnanacggag aagttgcaaa 150
 tggagcaaca gcagcaattg cagcagcggc aganactttt aggcctaana 200
 cagggctntc aggaggaatg ccaggggctt taccctcacn tcctggaaan 250
 atntanattg ttattgcngt ttgagctgtc tcagtgggat aagtttgaaa 300
 ttcaagngtt tgaactgntg aaaattggaa tttttttttt aactttggca 350
 gcaanggggt cg 362

<210> 540
 <211> 441
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 42, 44, 47, 67, 341
 <223> unknown base

<400> 540
 ggtttgcttt gggggtgttt ttggaatatt ttgtgactgc gncntcntag 50
 ggtcactggc attttgntta gctataaatt ataaacagat ggaactttac 100
 cacgccttgc catttttttg ctttttactt ggcaagtgtt ttaaaaaagg 150

cctcaaagga aaggggtttg tgttgctagt taagctagct tgtattgttg 200
tggcttcctt cgttctctgc tggctgccat tctttacaga aagggaacaa 250
accctgcagg ttctaagaag actcttcccg gttgatcgtg gattatttga 300
ggataaagta gccaatattht ggtgcagctt caatgtcttht ntgaagatta 350
aggatatttht gccacgtcac atccaattaa taatgagctt ttgttttacg 400
tttttgagcc tgcttcctgc atgcataaaa ttaatacttc a 441

<210> 541
<211> 180
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 45, 53, 55, 95
<223> unknown base

<400> 541
ccttccactt atgtgggtccc acaccacccg cctcccctgc caggntttat 50
ttngngtggtg tgtgagtggtg ttctgttttg tgttttggtt tttgntgttg 100
ttttcagttg tttggttttc ttttctttcc cccctccggt cccatacttc 150
acagcactct ggtgcgggaa gaagcagaag 180

<210> 542
<211> 318
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 57
<223> unknown base

<400> 542
tctagtttgc ctaagtagaa tttacatggg aatgcactct attctggata 50
ttattgntgg attcctatat accattttta tcttagctgt cttctatcca 100
tttgtggacc tgattgacaa cttcaaccaa actcacaat atgctccatt 150
catcatcatc gggcttcatt tagctttggg gatcttttct ttcactcttg 200
acacctggag cacatcccgga ggagacacag ccgagatact aggaagtggg 250
gctggaattg catgtggatc tcatgttact tataacatgg gtctagtatt 300
agatccttct ctagatac 318

<210> 543
<211> 396
<212> DNA
<213> Homo Sapien

<400> 543
agaaccccc ggtgaagttt tccgccaata acctaagggg gctttttcca 50

ggacttcaac ccgagtaaat tcctcatcta tgccctgtctg ctgcttgttt 100
 tctgtgctgc tggcccttcg tttggatggc atcatcacagt ggagttactg 150
 ggctgtcttt gctccaatat ggctgtggaa gttaatggtc attgttggag 200
 cctcagttgg aactggagtc tgggcacgaa atcctcaata tcgagcagaa 250
 ggagaaacgt gtgtggagtt taaagccatg ttgattgcag tgggcatcca 300
 cttgctcttg ttgatgtttg aagttctggg ctgtgacaga atcgagagag 350
 gaagccattt ctggctcctg gtcttcatgc cgctgttctt tgtttc 396

<210> 544
 <211> 351
 <212> DNA
 <213> Homo Sapien

<400> 544
 ttaatgtcta agccaagagt ttagtaaaca aagaattaaa ctgcactggt 50
 gatcgggtgct ttgtgtaaat acatctttaa catttgggtg gagagggggc 100
 ttaagaagga cagttcattg taggaaagca attctgtaca tgagtttaag 150
 cattcttggt gcattgtctc tgcagattct atttttgttt acaatattaa 200
 aatgtatggt agcaaaatgg gtggattttc aaataaaatg cagcttccac 250
 aaaagttttg ttatgggtatt ctggctctgag atgcattttc atttttcctt 300
 tctcttttta ttatcaatat tgtcattttt ccctaataaa atatacccag 350
 g 351

<210> 545
 <211> 398
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 298, 323
 <223> unknown base

<400> 545
 agtttcatat atttgggaat gagccttgag ccataaaagg ttttcagcaa 50
 gttgtaactt attttggcct aaaaatgagg tttttttgga aagaaaaaat 100
 atttgttctt atgtattgaa gaagtgactt ttatataatg attttttaaa 150
 tgcccaaagg actagtttga aagcttcttt taaaaagaat tcctctaata 200
 tgactttatg tgagaaggga taatacatga tcaaataaac tcagtttttt 250
 atggttactg taaaaaagac tgtgtaaggc agctcagcac catgcttntc 300
 gtaaaagcag cttcaattat ccnctggggg tatcttttga caacttgcca 350
 ttatctgatg ttacacaatt caatagcaag caagtttgag acaatcgc 398

<210> 546
<211> 374
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 43, 99, 102, 129
<223> unknown base

<400> 546
cataaatata cccaccccaa atggacgact tatgaaggaa ttncttgtga 50
aagctcattg gagtaaaatt tcctctcaaa caatactttt aggtcatang 100
cntgagtcta ttaattatth ttctgttana ccctgccaaa aaagaatttt 150
aaaagttagt ttatgttttg tgtaaccatg ttcttcagaa tgcaggtatg 200
tgagcatcat ggtttctggg taattctgct gctcctgtct ttgaaaatgg 250
agataccact tgcagcttat cccactgctg agtattccag cattggtagt 300
ggtttcactc cattgcatcc atccagaact ttcacacagg cctccccga 350
acccttgcg gcgcaagggg ttcg 374

<210> 547
<211> 251
<212> DNA
<213> Homo Sapien

<400> 547
aaaaaaaaa aattaagtga acctctactt tagaatgttg gcttttcata 50
tatgtacaaa acaaaagagg ttgcagtgat ggcgtggata aaggcacctg 100
tgtacttttc caacctatcc aatttcaaga tgtatccttt gtggattaca 150
ttggttcttt tctatggaat catgcacctt agacctggga gaaaccagcg 200
tgacatccag ggtcaagggt ttccaatcag gtattttggg caaggggttc 250
g 251

<210> 548
<211> 331
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 77
<223> unknown base

<400> 548
aaaaaaaaa aaaaaaagc taaaaaccct tgactaaatc tcccatgttt 50
tctcatatta ttaaaaattc taaacgnngg tttttttgtt ttgttttgtt 100
tttctgtttc tccctctgca gagttgtag cggttctcga gatgccactc 150
ttagggtttg ggatattgag acaggccagt gtttacatgt tttgatgggt 200

catgttgcag cagtcgcctg tgttcaatat gatggcagga gggttgtag 250
tggagcatat gattttatgg taaaggtgtg ggatccagag actgaaacct 300
gtctacacac gttgcagggg catgcggccg c 331

<210> 549
<211> 228
<212> DNA
<213> Homo Sapien

<400> 549
aaattatctt tactgatatg cgttgccaaa tcccatgaga aaagacatct 50
catttgaggt tccccttctt ctcatgtggt tgattttttg gaaggatgata 100
cagatgtggg taaccatgca aatgtttatg aataacttta ctgaagtgat 150
tccatccgta ttctgttcta atacttgag aatgaccttc atatttatat 200
attttatttc tttgtttcaa ctatccag 228

<210> 550
<211> 461
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21
<223> unknown base

<400> 550
tgaagatatg ggagacctat ncttagatgt tgctgaagct tttctgatgt 50
tgggaatata attctgcact tcccctcttc agggctcttg tttgctctga 100
aagatacaac cttgcagtag ttttggtctt gtcatgcaga atgtttaaag 150
gccttaggct atatggagcg agctgctgaa agctatggca aggtggttga 200
tctggcccca ctccatttgg atgcaaggat ttcactttct acccttcagc 250
agcagctggg ccagcctgag aaagctcttg aagctctgga accaatgtat 300
gatccagata ctttagcaca ggatgcaa atgctgcacagc aggaactgaa 350
gttattgctt catcgttcta ctctgttggt ttcacaaggc aaaatgtatg 400
gttatgtgga taccttactt actatgttag ccatgctttt aaaggtagca 450
atgaatcgag c 461

<210> 551
<211> 205
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 23, 41, 66
<223> unknown base

<400> 551

tggaccccag ttgtcagctg ggnggtactg gatcatcttt nttctatcac 50
aagataaact atcaanttcc ccagcatcat gaccttggtg ccgtaaaaag 100
gagttcacta cttctgttca ctttgagtct cttcaaattg attctgtgtc 150
ctcctctgga gtctgtgctg catttattgc ttctgactct tccactaagc 200
cagag 205

<210> 552
<211> 331
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 39, 55, 66, 81, 90, 162, 164, 166, 170, 206, 245
<223> unknown base

<400> 552
ctaaagggga agaagaaaaa gaaaggattg gtcttgctnt aaggggtaga 50
aaagngcaag gggaancagg aaaggaaggc nccctacggn gtaattatga 100
aaatgcattg gaacttctgt ctgatgtttt gctttttttt tcatttctca 150
aaatatttct anananggtg ttaatccttc ttccaccatt tgcttttagtt 200
ttaagngccc tgtgtgatag aagggttcat gttgtaaaat cagtnttgaa 250
taatcagaac acttctacca gattgtctaa tggtgatttg tttctggcac 300
tgcttctaaa tgtcttcctc ctcattctgc g 331

<210> 553
<211> 370
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 60, 64, 74, 101, 117, 142, 188, 290
<223> unknown base

<400> 553
taaaagaaaa gctaaagttt tactgtggcc aaaaaacccc tacatgggtc 50
ggggactggn ggtntctttg acctatctt tgaccacttt tcttttttca 100
nttttctcaa ggcacanctg gcctcctttt tgttcctggc antgggaaga 150
cttgttccta cttcagggtc ttcatgtttg ttcttccntc tgccttgaac 200
accacacttt ctcccaagtg ttccaggcag atggagtatg cacatggctc 250
actcttttac tttttaagtc tctgctcaaa agcaaatttn tcagccatgg 300
ctttcctgag caccctattt aaaattgctt tcctactcct acatggctgt 350
tctcctttgc ttaccaccac 370

<210> 554
<211> 310

<212> DNA
<213> Homo Sapien

<400> 554
ttaaataagt aaaaaaaaaa gaatttattt ttgttctttg ttagaatttc 50
tctgcaaaga atgtccaaaa attcatattc acattgatcg tatggcaaaa 100
agatgtccca gaagaacaag aacatatgag aagatggctg catgaacgtt 150
tcgaaatcaa agataagatg cttatagaat tttatgagtc accagatcca 200
gaaagaagaa aaagatttcc tgggaaaagt gttaattcca aattaagtat 250
caagaagact ttaccatcaa tgttgatctt aagtggtttg actgcaggca 300
tgcttatgac 310

<210> 555
<211> 202
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 39, 62, 79, 109, 129
<223> unknown base

<400> 555
ccttattttc cattccaaat ggcagccagn ataaaattna tttcccacaa 50
tttcccttta anggtaaggg ttgcccttnc cgcaatgccc ctcacatggt 100
tcttttggnc agttcggaag cccttgggnt cttgatggct ttgtgtctag 150
taataatgca gggtgctcaa ggaaataaat tcagtgtgga tatactgaaa 200
ac 202

<210> 556
<211> 536
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 159
<223> unknown base

<400> 556
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